DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY GARRISON FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF

Directorate of Public Works

OCT 2 2 2010

Mr. Larry Quinn, Site Manager
New Jersey Department of Environmental Protection
Bureau of Investigation, Design and Construction
401 East State Street, P.O. Box 413
Trenton, New Jersey 08625-0413

Re: Site 812 (FTMM-64) Remedial Action Progress Report
October 2003 through December 2008 (4th Quarter 2003 – 4th Quarter 2008)
Dated: July 2010
Fort Monmouth, New Jersey

Dear Mr. Quinn:

U.S. Army Fort Monmouth, New Jersey is pleased to submit the *Remedial Action Progress Report* (RAPR) for Site 812 (FTMM-64), Fort Monmouth, New Jersey. This RAPR was prepared in accordance with the voluntary cleanup agreement between U.S. Army and the New Jersey Department of Environmental Protection (NJDEP) dated August 2000, and the NJDEP's *Technical Requirements for Site Remediation*, New Jersey Administrative Code 7:26E-6.5 (February 2002). Enclosed please find the Electronic Data Delivery (EDD) documents and the completed RAPR Checklist.

Should you have any questions or require any additional information, please contact Mr. Charles Appleby, Environmental Protection Specialist, at 732-532-2692 or email: **Charles.Appleby@US.Army.mil**

Sincerely,

Joseph M. Fallon

Joseph M. Fallon, CHMM
Chief, Environmental Division

Encl. 1: RAPR (4th Quarter 2003 – 4th Quarter 2008)
Encl. 2: Completed RAPR Checklist
Encl. 3: EDD, one disk

Encl. 2, Completed RAPR Checklist

SRP CHECKLIST:		REMEDIAL ACTION PROGRESS REPORT 4th Quarter 2003 through 4th Quarter 2008 Site 812 (FTMM-64)		
	N.J.A.C. 7:26E-	**Use this checklist to assure that the remedial action progress report is complete and meets all technical requirements.**	**Included: Yes/No/NA**	**Page #**
	6.6(a)	Have progress reports been submitted as required?	NA	
	6.6(b)1	Is a description of each remedial action included and adequate?	Yes	3-1
	6.6(b)2	Is a discussion of problems and proposal for correction included and adequate?	NA	
	6.6(b)3	Are proposals for deviation from approved WP adequately addressed?	NA	
		6.3(e)3iii If requesting to reduce sampling frequency have the requirements at 6.3(e)3iii and in Appendix C been met?	NA	
	6.6(b)4	Is a revised schedule included and adequate?	Yes	6-2 & App.F
	6.6(b)5	Is the status of permit applications included and adequate?	Yes	3-2 & 6-1
	6.6(b)6	Is a list of upcoming remedial actions included and adequate?	Yes	6-3 & App.F
	6.6(b)7	Is the cost of each remedial action adequately documented?	Yes	6-1 & App.F
	6.6(b)8	Is a table of sampling results, summary of data and conclusions included and adequate?	Yes	6-1 & Tables Section
	6.6(b)9	Is information for active GW remediation included and adequate?	NA	
		6.6(b)9i Has a ground water Contour Map Reporting Form (Appendix G) been completed and included?	Yes	Figures Section
	6.6(b)10	Is information for natural GW remediation included and adequate?	Yes	4-1 & 5-1
	6.6(b)11	Is a description of wastes generated included and adequate?	Yes	3-2 & 4-2
	6.6(b)12	Has other important information been included:	NA	
		If not previously provided, has a map of the CEA been included along with a CEA Factsheet from Appendix F?	NA	
		If the RAPR includes a proposal to revise the CEA, has all the necessary information per 6.3 and Appendix F been included?	NA	
		Does the report indicate whether biennial certifications have been submitted for CEAs &/or DERs?	NA	

United States Army
Fort Monmouth, New Jersey

Site 812 (FTMM-64)
Remedial Action Progress Report
(4th Quarter 2003 through 4th Quarter 2008)

U.S. Army Garrison Fort Monmouth, Main Post
Fort Monmouth, New Jersey

Prepared By:

VEETech, P. C.

113 Centrewest Court
Cary, N.C. 27513
919-388-0037

Work Order No. 1042-06-017

July 2010

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EXECUTIVE SUMMARY

This *Remedial Action Progress Report* (RAPR) documents the quarterly sampling of 14 monitoring wells at Site 812 (FTMM-64) from the 4th Quarter 2003 through the 4th Quarter 2008 (Rounds 14 through 34) to monitor the progress of the enhanced natural attenuation program [Hydrogen Release Compound® (HRC)] in reducing contaminant levels in ground water.

Site 812 is located in the south-central portion of the Main Post (Figure 2-1). It is bordered by Murphy Drive to the east and south and by an access road to the northwest and Building 1000 (the Post Exchange or PX), and Building 1001 (the Four Seasons Store) (Figure 2-2) to the west. Building 812, the Army Community Service Center and associated parking areas, currently occupy the area defined as Site 812, which encompasses approximately 2.75 acres in size. The area of Building 812 was the site of a gasoline station with Underground Storage Tanks (USTs). The USTs were remotely filled from a railroad siding and connected underground piping which started 400 feet to the north of the UST site at a historic railroad siding. There is not evidence of the USTs being present, and it is assumed the USTs were removed many years ago. The remote fuel line is known to exist under Building 812, and it is suspected that the dispenser base and/or product piping manifold system remain on-site based on ground penetrating radar activities conducted at the site.

Ground water monitoring of the site identified concentrations of eight Volatile Organic Compounds (VOCs) above the Ground Water Quality Standard (GWQS) for Class II aquifers: 1,1,1-trichloroethane, 1,1-dichloroethene, benzene, *cis*-1,2-dichloroethene, tetrachloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride. The *Remedial Investigation Report/Remedial Action Work Plan* (RIR/RAWP) was submitted by Versar, Inc. (VERSAR) in June 2001 and approved by the New Jersey Department of Environmental Protection (NJDEP) in October 2003. The RAWP proposed natural attenuation enhanced through using HRC® injection to accelerate naturally occurring in-situ anaerobic biodegradation with ground water monitoring as the site remedy for the eight Contaminants of Concern (COCs).

Analytical results for 14 monitoring wells during the current reporting period exceeded the NJDEP GWQS for benzene, 1,1,1-trichloroethane , and vinyl chloride in two wells (812MW04 and 812MW05). GWQS for the other five COCs were not exceeded in any of the 14 monitoring wells during this reporting period. GWQS for all eight COCs were also not exceeded in any of the other 12 wells sampled during this reporting period.

COC levels have decreased substantially in monitoring wells where concentrations were above the GWQS since the first HRC® injection. However, monitoring results continue to detect concentrations of benzene and vinyl chloride above their respective GWQS in 812MW04. COC concentrations have been consistently well below the respective GWQS for the last 13 sampling quarters for monitoring well 812MW05.

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1.0 INTRODUCTION

The U.S. Army Garrison Fort Monmouth, Directorate of Public Works (DPW) and Chenega Technology Services Corporation issued the contract under Chenega purchase order number C06-02456 to VEETech, P.C. (VEETech) to prepare this RAPR. The report documents ground water monitoring (Rounds 14 through 34) during the current reporting period of the 4th Quarter 2003 through the 4th Quarter 2008.

An enhanced natural attenuation program to remediate the eight COCs, 1,1,1-trichloroethane, 1,1-dichloroethene, benzene, *cis*-1,2-dichloroethene, tetrachloroethene, *trans*-1,2-dichloroethene, trichloroethene, and vinyl chloride, at Site 812 (FTMM-64), located at Fort Monmouth, New Jersey, is being conducted in accordance with the RIR/RAWP (Appendix A) prepared by VERSAR in June 2001 and approved by the NJDEP in October 2003.

1.1 Objectives

The objective of this RAPR is to document the implementation of the remedial action program performed at Site 812 during the current reporting period of the 4th Quarter 2003 through the 4th Quarter 2008 following the third and fourth HRC® injection events performed at Site 812. The third HRC® injection event was preformed between November and December 2004, and the fourth HRC® injection event was performed between January and March 2005. HRC® injections were implemented by the DPW as a Remedial Action (RA) based on the recommendations found in the Site 812 RIR/RAWP. The purpose of the RA was to treat the contaminant-affected areas at the site using HRC® to reduce the contaminant concentrations to comply with the NJDEP Class II-A aquifer GWQS. The remedial activities were conducted in accordance with the NJDEP *Technical Requirements for Site Remediation* (September 2, 2008), N.J.A.C. 7:26E *et seq*. and the Site 812 RIR/RAWP (Appendix A).

The RA and subsequent preparation of this RAPR encompassed the following:

- Applying HRC® treatment to three areas of concern identified in the Site 812 RIR/RAWP where the most significant ground water impacts were observed and documented,
- Conducting quarterly rounds of ground water sampling and documenting the results to evaluate the effectiveness of the RA,
- Comparing the results of the ground water sampling with the NJDEP GWQS,
- Identifying and discussing recommendations with the DPW for the continuation of this RA, and
- Documenting remedial activities as required by the NJDEP *Technical Requirements for Site Remediation*, NJAC 7:26E *et seq*.

1.2 Report Organization

Section 2.0 discusses the site history and background information for Site 812. Section 3.0 describes and summarizes the remedial activities (HRC® injection) conducted at Site 812. Section 4.0 discusses ground water monitoring and sampling activities at the site. Section 5.0

presents the analytical results of the ground water sampling. Section 6.0 discusses the effectiveness of the RA and provides recommendations to the DPW for Site 812. Section 7.0 is the reference section.

2.0 SITE BACKGROUND

The following sections describe the site background of Site 812. Included is a description of the site location, site history, background investigations, and previous RAPRs.

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). Site 812 is located in the south-central portion of the Main Post. It is bordered by Murphy Drive to the east and south and by an access road to the northwest and Building 1000 (the Post Exchange or PX), and Building 1001 (the Four Seasons Store) (Figure 2-2). Building 812, the Army Community Service Center and associated parking areas, currently occupy the area defined as Site 812, which encompasses approximately 2.75 acres in size. The area of Building 812 was the site of a gasoline station with Underground Storage Tanks (USTs). The USTs were remotely filled from a railroad siding and connected underground piping which started 400 feet to the north of the UST site at a historic railroad siding. There is not evidence of the USTs being present, and it is assumed the USTs were removed many years ago. The remote fuel line is known to exist under Building 812, and it is suspected that the dispenser base and/or product piping manifold system remain on-site based on ground penetrating radar activities conducted at the site. The environmental setting (regional/local geology and hydrogeology) of Site 812 is described in the Site 812 RIR/RAWP.

2.2 Site History and Background Investigations

The site history and background of Site 812 was initially incomplete because specific historical information was not available regarding previous operations and conditions there. A historical aerial photograph and site record review was used to establish a basis for the Site Investigation (SI) and the Remedial Investigation (RI) at Site 812. The following documents added to the completeness of the history and background at Site 812.

2.2.1 *UST Closure and Site Investigation Report*, 1998 – SMC

SMC Environmental Services Group (SMC) prepared an Underground Storage Tank (UST) Closure and SI report in 1998 titled, *Underground Storage Tank Closure and Site Investigation Report- Building 812*. This report documented that on April 27, 1998, a 2,000-gallon No. 2 fuel UST, located on the east side of Building 812, was closed and removed in accordance with NJDEP UST closure procedures. The NJDEP Registration No. 0081533-133 for this UST identified a 2,000-gallon capacity No. 2 fuel oil tank.

The post-excavation soil sampling results did not identify contaminated soils. Analysis for Total Petroleum Hydrocarbons (TPHC), Semi-Volatile Organic Compounds (SVOCs), and VOCs were conducted, and concentrations did not exceed the NJDEP standard at the former location of the UST or associated piping. No further action was proposed regarding the UST closure and site assessment, and a Closure Approval Letter dated February 24, 2000 was received from the NJDEP. There is not a perceived or implied association between the location of the former UST and the environmental conditions at Site 812 addressed within this report.

2.2.2 Site Investigation

In September 1999, the DPW began a Site Investigation (SI) of Site 812 at the Main Post at Fort Monmouth, New Jersey. The purpose of the SI was to determine the potential impacts (if any) from past operations conducted in and around Site 812, collect samples to evaluate the soil and ground water quality at Site 812, and to prepare a RIR/RAWP to address the need for remediation, if necessary.

The SI was initiated at Site 812 with the installation of five soil borings (B-1 through B-5) utilizing a mobile GeoProbe® drilling rig to evaluate the locations of previous site structures/areas of disturbance identified by use of the historical aerial photograph and records review. Soil and ground water grab samples were collected from the boring locations and analyzed for VOCs and lead as potential COCs associated with the identified gasoline station location. An expanded SI was then conducted at the boring B-5 location in December 1999, and additional soil and aqueous samples were collected and analyzed for an expanded list of parameters, including TPHC (soils only), VOCs, SVOCs, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. The results of the SI and expanded SI are presented in the Site 812 RIR/RAWP.

The SI and expanded SI failed to identify a distinct source area for contaminants in soils or define potential COCs. While VOCs, SVOCs, TPHC, pesticides/PCBs, and metals were all detected in soil samples collected at boring location B-5, except for lead during the initial SI, the detections did not exceed the respective Residential Direct Contact Soil Cleanup Standard (RDCSCS). Lead was detected at B-5 in all eight collected samples, but only the sample collected at 7.5 ft below ground surface (bgs) exceeded the RDCSCS of 400 mg/kg. Given this isolated exceedance (601.75 mg/kg) of the RDCSCS, which is less than one order of magnitude greater than the standard, as well as the depth of the sample location, lead was not identified as a COC for soils.

However, the SI did identify the B-5 location as a potential source area for VOC and metals ground water contamination requiring further evaluation in the planned ground water monitoring program at Site 812.

2.2.3 Remedial Investigation Report/Remedial Action Work Plan (RIR/RAWP), 2001 – VERSAR

VERSAR prepared a RIR/RAWP for Site 812 . A site record and historical aerial photograph review were completed because specific historical information was not available regarding previous operations and conditions at Site 812. These photographs identified a number of former areas of potential concern, which established a platform for developing the Remedial Investigation efforts. The RIR/RAWP was approved by the NJDEP in October 2003.

Appendix A of the Site 812 RIR/RAWP contained annotated copies of two historical photographs of areas encompassing Site 812. These photographs and record reviews identified several areas of potential concern including areas of disturbed soil, a coal storage yard, railroad tracks of the Central New Jersey Railroad, and suggestions of a former gasoline station. A more detailed review of historical aerial photographs of Fort Monmouth and the area encompassed by

Site 812 (now principally parking areas) was then conducted to support the RIR/RAWP. A summary of this historical aerial photograph and records review is presented below.

Eight aerial photographs, obtained from the NJDEP archives in Trenton, New Jersey, were reviewed to assess potential historic conditions at Site 812. The following aerial photographs were reviewed: 1940, 1947, 1951, 1954, 1957, 1961, 1971, and 1987. The scales of the photographs depicting Site 812 during the years 1940 through 1971 were approximately one inch equal to 16,000 feet. The 1987 photograph depicting Site 812 was at a scale of one inch equal to 400 feet. Figure 2-3 illustrates the findings of the historical aerial photograph review.

None of the present day structures appeared in the earliest photograph reviewed (1940). The entire site was vegetated and appeared undisturbed with the exception of a lineation (i.e., outline of an image) that ran in a north-south direction, possibly intersecting the location of the present day footprint of Building 812. This lineation appeared to be either an access road or perhaps a small drainage swale.

Building 812 had been constructed by 1947. Other buildings were not present on the site at that time. The lineation observed in the 1940 photograph was gone, suggesting possible backfilling of a swale or drainage easement in proximity to Building 812. Building 812 was visible in the present day configuration in the 1951 aerial photo. A second structure was present approximately 120 feet west of Building 812. A structure that resembled a concrete pad was present just to the southeast this building. The purpose of this structure could not be determined. The 1954 photograph was unchanged.

The structure west of Building 812 (the rectangular building) had a new addition attached to the east side of the building in the 1957 photograph. The concrete pad southeast of this structure as identified on the 1951 photograph had disappeared. By 1961, the addition on the east side of the building was gone, but two large objects (each about twice the size of a car) are evident west of Building 812. The 1971 photo showed that all the structures, with the exception of Building 812, were gone. Disturbed soil was evident in the area of the former rectangular building west of Building 812. Paving was evident around most of the site. Between 1971 and 1987, site improvements continued, and the site appeared as it does today.

A RI approach was established based on the findings of the SI and the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26) that encompassed the installation of an additional 162 soil borings within an expanded sampling grid utilizing a refined list of analytical parameters (VOCs and TPHC). The borings were located on 30 foot centers based on the findings of the SI, the historical aerial photograph and records review, and the presence of underground utilities to provide further delineation of the initially identified area as well as surrounding areas that now encompassed primarily the parking lots. Soil and ground water samples were collected from the borings and submitted to the laboratory for analysis. Slug tests were performed on several of the wells to determine the characteristics of the shallow ground water beneath Site 812. The results of the RI can be found in the Site 812 RIR/RAWP.

The results of the expanded soils investigation also failed to identify a distinct source area or potential COCs at Site 812. However, four VOCs were detected at concentrations above their respective GWQS in the ground water samples at seven boring locations. These detections

formed the basis for the planning and implementation of the ground water well installation and monitoring program at Site 812. Ground water monitoring wells 812MW01 through 812MW14 were located based on the findings of the GeoProbe® investigation. The wells were installed and sampled in May and June 2000 and analyzed for VOCs, SVOCs, pesticides/PCBs, and TAL metals. Figure 2-2 identifies the monitoring well locations. The results of the two sampling events of the ground water monitoring program can be found in the Site 812 RIR/RAWP. The results of this investigation indicated that the shallow ground water contained eight VOCs in three established areas of concern (Area 1, Area 2, and Area 3) that exceeded their respective NJDEP GWQS. The RI identified 1,1,1-trichloroethane, 1,1-dichloroethene, benzene, *cis*-1,2-dichloroethene, tetrachloroethene, *trans*-1,2-dichloroethene, trichloroethene, and vinyl chloride as COCs in the ground water at Site 812. The Site 812 RIR/RAWP proposed the implementation of an HRC® injection program at the three identified areas of concern to directly enhance/accelerate the naturally occurring in-situ anaerobic bioremediation at Site 812. HRC injection areas are identified in Figure 3-1.

2.2.4 Remedial Action Progress Report (RAPR), 2000-2002, – VERSAR

The initial injection of HRC® was performed by the DPW from June through August 2001. The second injection round of HRC® was performed by the DPW from October 17, 2002 through November 20, 2002 under the provisions of the NJDEP Permit-by-Rule program. . This anaerobic barrier was installed approximately 15 to 20 feet upgradient of the three treatment areas (Figure 3-1). Approximately 4,200 pounds of HRC® were applied to Site 812 during the first injection event and approximately 4,530 pounds of HRC® were applied during the second HRC® injection event.

After the first and second HRC® injection event at Site 812 and nine subsequent rounds of ground water sampling (3rd Quarter 2000 through the 3rd Quarter 2002), a RAPR was prepared by VERSAR, dated December 2003. The RAPR documented the ground water quality conditions over time and evaluated the impact of the HRC® injection program.

A decreasing trend of tetrachloroethene concentrations and an increasing trend of biodegradation breakdown products (e.g., trichloroethene, dichloroethenes, vinyl chloride) in ground water were observed at the site throughout the first 24 months of ground water sampling. This trend supported the contention that COC degradation was occurring at Site 812, presumably due to the effectiveness of the HRC®, which accelerated the natural biodegradation processes.

Based on the decreasing trend of tetrachloroethene in the first 24 months following the HRC® injection and the increased presence of breakdown products in the ground water, the HRC® subsurface injection program was continued.

2.2.5 Remedial Action Progress Report (RAPR), 2002-2003, – VERSAR

The third injection round of HRC® was performed by the DPW from September 5, 2003 through September 26, 2003 at Site 812 under the provisions of the NJDEP Permit-by-Rule program. Approximately 4,260 pounds of HRC® were applied to Site 812 during the third injection event. After the third HRC® injection event and four subsequent rounds of ground water sampling (4th Quarter 2002 through the 3rd Quarter 2003), a second RAPR was prepared by VERSAR, dated

September 2005. This RAPR also documented the ground water quality conditions over time and further evaluated the effectiveness of the HRC® injection program.

A decreasing trend of COCs in ground water was observed at the site throughout the 12 months of ground water sampling covered by the reporting period. This trend supported the contention that COC degradation was occurring at Site 812, presumably due to the effectiveness of the HRC® to support the biodegradation processes.

Based on the decreasing trend of COCs in ground water in the 12 months following the second HRC® injection, the HRC® subsurface injection program was continued.

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3.0 REMEDIAL ACTIVITIES

Sampling results documented in the Site 812 RIR/RAWP indicated that the shallow ground water contained eight VOC COCs at concentrations that exceeded the NJDEP GWQS (1,1,1-trichloroethane, 1,1-dichloroethene, benzene, *cis*-1,2-dichloroethene, tetrachloroethene, *trans*-1,2-dichloroethene, trichloroethene, and vinyl chloride). Although the COC concentrations in ground water were expected to gradually decrease through natural attenuation, the DPW implemented a HRC® injection program to actively address the ground water contamination at the site. This anaerobic bioremediation approach involved treating three areas identified in the RIR/RAWP where elevated concentrations of COCs were detected (Figure 3-1).

3.1 HRC® Injection

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

The fourth and fifth HRC® injection events for the remediation of the COCs at Site 812 were performed from November 29, 2004 through December 2, 2004 and January 7, 2005 through March 17, 2005 using the methodology as described in the RIR/RAWP prepared by VERSAR, dated June 2001 (Appendix A). This HRC® direct injection program included three distinct areas of concern at Site 812 where elevated concentrations of COCs were detected in the shallow ground water. These three HRC® injection areas (Area 1, Area 2, and Area 3) are illustrated in Figure 3-1. Placement of the treatment areas was designed to provide direct treatment of the areas of highest ground water impact. The injection points were placed in a grid within each of the three treatment areas. The injections were applied at a rate of 13.5 pounds/vertical foot using direct push technology via GeoProbe® rods to a depth of approximately 10 feet bgs. After completion of each injection point, a high-pressure pump was used to inject the HRC® from 4 to 8 feet bgs. Area 1 (associated with monitoring wells 812MW01 and 812MW04) had 25 injection locations. Area 2 (associated with monitoring well 812MW05) had 20 injection locations. Area 3 (associated with monitoring well 812MW07) had 12 injection locations. Approximately 1,680 pounds of HRC® were applied to Site 812 during the fourth injection event. Approximately 2,580 pounds of HRC® were applied to Site 812 during the fifth HRC® injection event.

HRC® injections have not occurred since the fifth injection round (March 17, 2005), but future injection of COC degradation enhancing product is expected to continue at a later date. Based on the effectiveness of HRC® injection in reducing the COCs at the Site 812, DPW will send a request to NJDEP for permit-by-rule to inject HRC Advanced® at the Site. This product is similar to the original HRC® formulation in that it contains a non-toxic, food-grade polyactate ester, which upon introduction into an aquifer quickly undergoes a fermentation that produces hydrogen. The hydrogen serves as an electron donor in a reductive dechlorination process. However, HRC Advanced® differs from the original formulation in that it also contains fatty acids, which ferment more slowly than the polyactate ester, thereby providing a controlled-release supply of hydrogen over a longer period of time.

3.2 Discharge to Ground Water Permit by Rule

The purpose of the New Jersey Pollutant Discharge Elimination System (NJPDES) Discharge to Ground water permit is to request a formal approval of the HRC® subsurface injection program at Site 812 as described in the RIR/RAWP . The fourth and fifth injections of HRC® were completed with the prior approval of the NJDEP under the provisions of a Permit-by-Rule agreement (Appendix B).

As described in the Site 812 RIR/RAWP, HRC® injections do not result in the discharge of hazardous compounds. A Material Safety Data Sheet (MSDS) for the HRC® is presented in Appendix C.

4.0 MONITORING AND SAMPLING ACTIVITIES

As part of the Long Term Monitoring (LTM) program at Site 812, quarterly ground water monitoring (Rounds 14 through 34) continued from the 4th Quarter 2003 through the 4th Quarter 2008. Ground water samples were collected from 14 monitoring wells (812MW01 through 812MW14) during the 4th Quarter 2003 ground water sampling event. Ground water sampling was reduced to eight monitoring wells (812MW01, 812MW02, 812MW04, 812MW05, 812MW06, 812MW07, 812MW08, and 812MW14) during the subsequent quarterly sampling events from the 1st Quarter 2004 through the 4th Quarter 2008. Six monitoring wells 812MW03, 812MW09, 812MW10, 812MW11, 812MW12, and 812MW13 were last sampled during the 4th Quarter 2003. Laboratory analytical reports for the Site 812 LTM during this reporting period are presented in Appendix D, and the analytical results are presented and discussed in the following Section 5.0 and Tables 5-1 through 5-16 of this RAPR. Static depth to water was measured to determine ground water elevations for all 14 monitoring wells at Site 812 during this reporting period.

Sampling was conducted by the DPW in accordance with the established protocols as described in the *Fort Monmouth Standard Sampling Operating Procedure* (SOP No.: SAM-0205, August 1999, Revision #1 January 2003, Revision #2 September 2004, Revision #3 January 2006, and Revision #4 April 2008 Appendix E) and the *NJDEP Field Sampling Procedures Manual*, August 2005. Ground water samples were analyzed for VOCs + 15, SVOCs, pesticides/PCBs, and TAL metals during the 4th Quarter 2003 ground water sampling event. Ground water sampling parameters were reduced to VOCs only beginning with the 1st Quarter 2004. Laboratory analyses of the samples were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461).

4.1 Ground Water Monitoring

During this reporting period at Site 812 (4th Quarter 2003 through the 4th Quarter 2008), ground water was encountered at elevations ranging from 6.96 to 20.40 feet above mean sea level (msl). Static depth-to-water from the top of the well casings were measured at each monitoring well on October 20, 2003, January 22, 2004, April 22, 2004, July 14, 2004, October 28, 2004, January 12, 2005, April 12, 2005, July 6, 2005, October 26, 2005, January 11, 2006, April 12, 2006, July 14, 2006, October 25-26, 2006, January 11, 2007, April 30, 2007, July 24, 2007, October 17, 2007, February 20, 2008, April 9, 2008, July 25, 2008, and October 22, 2008. Separate-phase product was not observed in any of the 14 monitoring wells during this reporting period. Figure 2-2 illustrates the locations of the monitoring wells. Depth to water measurement results are summarized in Table 4-1. Ground water elevation contour maps were generated for each round based on ground water elevations calculated for the 14 monitoring wells in Rounds 14 through 34, except for well 812MW04. The static depth to water measurements and resulting ground water elevations from monitoring well 812MW04 were not used because the elevations measured at 812MW04 varied substantially from elevations in the adjacent well 812MW01, and were considered to be an anomaly. Well 812MW04 will be resurveyed and corrections to elevations for this well will be incorporated into future RAPRs. Additionally, ground water-elevation contour maps were not constructed for the 4th Quarter 2003 or the 4th Quarter 2006, as the depth to ground water for these sampling events were measured on two separate days. The

contour maps are presented in Figures 4-1 through Figure 4-21 along with the required NJDEP contour map reporting forms.

The contour maps indicate that shallow ground water underlying Site 812 consistently flows to the north-northeast. Significant variations in ground water flow conditions were not observed through the current monitoring period.

4.2 Ground Water Sampling

Quarterly ground water sampling of the eight monitoring wells was conducted by the DPW. Quality control samples for the monitoring period included 31 method blanks, 24 trip blanks, 24 field blanks, and 24 field duplicate samples.

Sampling equipment was thoroughly decontaminated before and after each use. Following collection, the ground water samples were immediately placed in laboratory-supplied bottle ware. Sample containers were labeled, sealed, packed in ice, and transported to the FMETL under proper chain-of-custody procedures.

Copies of the chain-of-custody forms and the laboratory analytical data sheets are presented in Appendix D. A summary of the ground water sampling activities for the remediation monitoring (Rounds 1 through 34) including round numbers, well IDs, sample IDs, sample locations, collection dates, analytical parameters, and analysis methods is provided in Table 4-2. Figure 2-2 illustrates the locations of the monitoring wells. The analytical results are discussed in Section 5.1.

4.3 Types of Waste Generated and Disposal Methods

The waste types generated by the remedial activities included three-gallon polyethylene pails, polyethylene tubing, Teflon® bailers, mason string, and personal protective equipment (PPE). The pails were recycled, and the other materials were disposed of in accordance with the Fort Monmouth Solid Waste Management Plan.

5.0 SITE ANALYTICAL RESULTS

This section includes a summary discussion of the chemical characterization of Site 812 based on the samples collected and analyzed for the current reporting period, including 21 quarterly rounds of ground water monitoring well samples.

5.1 Ground Water Sampling Results

Summaries of the analytical results from each of the 14 monitoring wells on Site 812 for Rounds 1 through 34 are summarized in Tables 5-1 through Table 5-14. Ground water summary tables include detected analytical results for Site 812 and are divided by monitoring well number and sampling date. The characterization of ground water quality at Site 812 (812MW01 – 812MW14) contains 34 quarterly ground water sampling events conducted from September 2000 through October 2008. The ground water results are compared to the NJDEP GWQS and are presented in three different tabs reflecting changes to the NJDEP standard. The first set of data is compared against the January 7, 1993 standard; the next is when a standard change occurred on November 7, 2005; followed by another standard change on July 27, 2007.

The results in the ground water summary tables include analyte detections as well as exceedances of the NJDEP GWQS, which are bolded and shaded. VOCs, SVOCs, pesticides/PCBs, and metals are presented as required to summarize results for detected compounds. Detections are presented in the ground water sampling result summary tables as follows:

- Xylenes are reported as total xylenes (the sum of *o*-xylene and *m,p*-xylenes).
- Tentatively Identified Compounds (TICs) are added and reported as a total concentration for the sum of TICs detected for VOCs and SVOCs.
- Duplicate samples are included after the respective primary sample.
- Low Flow sampling method results are identified as “LF.”
- A “J” value is a concentration exceeding the Method Detection Limit (MDL) but less than the Reporting Limit (RL) for VOCs, SVOCs, and pesticides/PCBs.
- Estimated Results “ER” are concentrations exceeding the MDL and less than the RL for metals.
- A “B” value is a compound detected in the sample and its associated blank sample.
- Sample suites that were discontinued are recorded in the footnotes along with a date of NJDEP case manager approval.
- If a particular sample suite or analyte was not detected in a monitoring well, the suite/analyte is not presented in the monitoring well summary table.

Fourteen monitoring wells (812MW01 through 812MW14) were sampled during the 4th Quarter 2003 ground water sampling event. Ground water sampling was reduced to eight monitoring wells (812MW01, 812MW02, 812MW04, 812MW05, 812MW06, 812MW07, 812MW08, and 812MW14) during the subsequent quarterly sampling events from the 1st Quarter 2004 through the 4th Quarter 2008. Ground water samples were analyzed for VOCs + 15, SVOCs, pesticides/PCBs, and TAL metals during 4th Quarter 2003 ground water sampling event. Ground water sampling parameters were reduced to VOCs only beginning with the 1st Quarter 2004. Quarterly sampling of monitoring wells 812MW03, 812MW09, 812MW10, 812MW11, 812MW12, and 812MW13 was discontinued after the Round 14 (10/20/03) sampling event.

VOCs

During 21 quarterly sampling events for the current reporting period, 22 VOCs were detected in Site 812 ground water samples. Four VOCs (benzene, 1,1,1-trichloroethane, vinyl chloride, and carbon tetrachloride) were detected at concentrations that exceeded their respective GWQS in more than one sample, while 18 VOCs (acetone, acrolein, 2-butanone, *tert*-butyl alcohol, methyl-*tert*-butyl ether, carbon disulfide, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, *cis*-1,2-dichloroethene, *trans*-1,2-dichloroethene, ethylbenzene, methylene chloride, tetrachloroethene, toluene, 4-methyl-2-pentanone, styrene, and xylenes) were detected below their respective GWQS.

Analytical results for the 14 monitoring wells sampled during the current reporting period only exceeded the NJDEP GWQS for benzene, 1,1,1-trichloroethane, vinyl chloride, and/or carbon tetrachloride in monitoring wells 812MW04 and/or 812MW05. Benzene, 1,1,1-trichloroethane, and vinyl chloride have been identified as COCs. Carbon tetrachloride is not a COC and was only detected above the GWQS in four earlier quarters of sampling in one well (812MW05). Carbon tetrachloride has not been detected in 812MW05 or any of the other Site 812 wells since the 2nd Quarter 2005.

A summary of VOC results exceeding GWQS in the current reporting period is presented in Table 5-15. Figure 5-1 summarizes the analytical results for COCs on a site layout map.

SVOCs

During the 4th Quarter 2003 ground water sampling event (Round 14), two SVOCs were detected in Site 812 ground water samples. Both SVOCs (4-methylphenol and dibenzofuran) were detected below their respective GWQS.

Pesticides/PCBs

During the 4th Quarter 2003 ground water sampling event (Round 14), pesticides/PCBs were not detected in the ground water samples collected from Site 812.

Metals

During 4th Quarter 2003 ground water sampling event (Round 14), 10 metals were detected in Site 812 ground water samples. Nine metals (antimony, barium, beryllium, cadmium, chromium, copper, lead, nickel, and mercury) were detected below their respective GWQS.

Arsenic was the only metal which was detected at concentrations that exceeded the GWQS in two ground water samples. Arsenic was detected above the GWQS in monitoring well 812MW04 and 812MW07. Arsenic concentrations were below the maximum background concentration (89.3 µg/L) for ground water established in the Weston (1995) report.

5.1.1 Contaminants of Concern (COC)

The following paragraphs summarize the results of the COCs, benzene, 1,1,1-trichloroethane, and vinyl chloride, detected above the GWQS during the current reporting period.

- Benzene concentrations in 812MW04 ranged from not detected (ND) to 3.28 µg/L (Round 18) during the current reporting period. The NJDEP GWQS for benzene was 1.0 µg/L throughout the current reporting period. Benzene concentrations exceeded the GWQS of 1.0 µg/L in seven of the 21 sampling rounds in 812MW04 during the current reporting period. Figure 5-2A illustrates the benzene concentration trend over time in monitoring well 812MW04, including all quarters of the Long Term Monitoring (LTM) program since September 2000.

- Benzene was detected in 812MW05 at a concentration of 1.02 J µg/L in one quarter (Round 21) during the current reporting period. Benzene concentrations exceeded the GWQS in only one of the 21 sampling rounds in 812MW05 during the current reporting period. Benzene has not been detected in 812MW05 since the 3rd Quarter 2005.

- 1,1,1-Trichloroethane concentrations in 812MW05 ranged from not detected (ND) to 48.92 µg/L (Round 20) during the current reporting period. The NJDEP GWQS for 1,1,1-trichloroethane was 30 µg/L throughout the current reporting period. 1,1,1-Trichloroethane concentrations exceeded the GWQS of 30 µg/L in four of the 21 sampling rounds in 812MW05 during the current reporting period. 1,1,1-Trichloroethane has not exceeded the GWQS in 812MW05 or any of the other Site 812 wells since the 2nd Quarter 2005.

- Vinyl chloride concentrations in 812MW04 ranged from not detected (ND) to 49.43 µg/L (Round 18 duplicate) during the current reporting period. The NJDEP GWQS for vinyl chloride was 5 µg/L through Round 22 and then was revised to 1 µg/L in November of 2005 and remained 1 µg/L throughout the remainder of the current reporting period. Vinyl chloride concentrations exceeded the GWQS in 11 of the 21 sampling rounds for the current reporting period. Figure 5-2B illustrates the vinyl chloride concentration trend over time in monitoring well 812MW04, including all quarters of the LTM program since September 2000. Figure 5-2C illustrates the vinyl chloride concentration over time in monitoring well 812MW04 since October 2003 to better show the trend during this period using a concentration scale more appropriate to the magnitude of the concentrations during this time.

GWQS for the other five COCs (1,1-dichloroethene, *cis*-1,2-dichloroethene, tetrachloroethene, *trans*-1,2-dichloroethene, and trichloroethene) were not exceeded in any of the 14 Site 812 monitoring wells during this reporting period. GWQS for all eight COCs (including benzene, 1,1,1-trichloroethane, and vinyl chloride) were also not exceeded in any of the other 12 wells sampled during this reporting period.

5.2 Tentatively Identified Compounds (TICs)

During this reporting period, nine of the 14 wells sampled had VOC TICs. Analytical results for the VOC TICs in most cases indicated low level concentrations.

Significant concentrations of TICs were detected in monitoring well 812MW04. TICs were detected in 812MW04 in 13 of the 21 sampling rounds during this reporting period. Five samples from 812MW04 had TIC concentrations that exceeded either the NJDEP GWQS of 100 µg/L for an individual compound or 500 µg/L for total TIC concentrations.

- Round 18 (October 2004) had an individual TIC estimated concentration of 140 µg/L for a compound tentatively identified as 1-ethyl-2-methylbenzene, 310 µg/L for 1,3,5-trimethylbenzene, and 120 µg/L for 1,2,4-trimethylbenzene, which exceeded the individual TIC GWQS of 100 µg/L. The total concentration of 10 TICs for Round 18 was 979 µg/L, which also exceeded the GWQS for total TICs of 500 µg/L.

- Round 19 (January 2005) had an individual TIC estimated concentration of 210 µg/L for a compound tentatively identified as 1,2,3-trimethylbenzene, which exceeded the individual TIC GWQS of 100 µg/L. The total concentration of 10 TICs for Round 19 was 609 µg/L, which also exceeded the GWQS for total TICs of 500 µg/L.

- Round 20 (April 2005) had an individual TIC estimated concentration of 140 µg/L for 1-ethyl-2-methyl-benzene, 310 µg/L for 1,3,5-trimethylbenzene, and 100 µg/L for 1,2,3-trimethyl-benzene, which exceeded the individual TIC GWQS of 100 µg/L. The total concentration of 10 TICs for Round 22 was 937 µg/L, which also exceeded the GWQS for total TICs of 500 µg/L.

- Round 22 (October 2005) had an individual TIC estimated concentration of 190 µg/L for a compound tentatively identified as 1,2,4-trimethylbenzene, which exceeded the individual TIC GWQS of 100 µg/L. The total concentration of 10 TICs for Round 22 was 558 µg/L, which also exceeded the GWQS for total TICs of 500 µg/L.

- Round 30 (October 2007) had an individual TIC estimated concentration of 110 µg/L for a compound tentatively identified as 1,2,4-trimethylbenzene, which exceeded the individual TIC GWQS of 100 µg/L. The total concentration of 15 TICs for Round 30 was 400 µg/L, which did not exceed the GWQS for total TICs of 500 µg/L.

The GWQS for an individual TIC of 100 µg/L and the GWQS for total TICs of 500 µg/L have not been exceeded in four rounds of ground water sampling (Rounds 31 through 34) since October of 2007. Table 5-16 summarizes the analytical results for the VOC TICs during this reporting period.

5.3 Ground Water Sampling - Quality Assurance/Quality Control (QA/QC)

To verify the reliability of ground water analytical results, VEETech reviewed the holding times for each sample and the results of the analyses of 31 method blanks, 24 trip blanks, 24 field blanks, and 24 field duplicate samples for the ground water samples. The discussion below is

based on QA/QC for the ground water samples. Samples were analyzed by the FMETL within the prescribed holding time requirements for the analytical method.

Method Blanks

Laboratory method blanks were prepared by the laboratory for each batch of analyses performed for Site 812. These method blanks consisted of laboratory-grade water that is processed identically to the samples and analyzed with the sample batch. A total of 31 VOC method blanks were analyzed with the Site 812 samples during this reporting period.

Acetone was detected in 10 method blank samples at concentrations ranging from 0.58 µg/L (Round 26) to 13.52 µg/L (Round 31), below the NJDEP GWQS of 6,000 µg/L for acetone. Acetone is a common laboratory contaminant and detection in the method blank samples is not indicative of a widespread laboratory contamination problem.

Chloroform was detected in three of the method blank samples at concentrations ranging from 0.82 µg/L (Round 18) to 4.07 µg/L (Round 14), below the NJDEP GWQS of 70 µg/L for chloroform. Chloroform is also a common laboratory contaminant, and detection in method blank samples is not indicative of a widespread laboratory contamination problem.

2-Butanone (methyl ethyl ketone, MEK) was also detected in one of the method blank samples (Round 31) at a concentration of 7.12 µg/L, below the NJDEP GWQS of 300 µg/L for 2-butanone. 2-Butanone is also a common laboratory contaminant, and detection in one of the method blank samples is not indicative of a widespread laboratory contamination problem.

The COCs were not detected in the method blank samples.

Trip Blanks

A total of 24 trip blanks were included as part of the Site 812 sampling program for this reporting period to check for the potential for volatile organics to have been introduced into the samples during the handling process. The trip blanks were prepared by the FMETL and consisted of sample bottles filled with laboratory deionized water. The trip blanks remained with the sample bottles in coolers and were returned to the laboratory for analysis along with the ground water samples.

Acetone was detected in one of trip blank samples (Round 21) at concentration of 4.29 µg/L, below the NJDEP GWQS of 6,000 µg/L for acetone. Acetone is a common laboratory contaminant.

Chloroform was detected in eight of the trip blanks at concentrations ranging from 0.61 µg/L (Round 15) to 5.50 µg/L (Round 14), below the NJDEP GWQS of 70 µg/L for chloroform. Chloroform is a common laboratory contaminant.

2-Butanone was also detected in two of the trip blanks at a concentrations of 7.38 µg/L (Round 21) and 2.11 µg/L (Round 32), below the NJDEP GWQS of 300 µg/L for 2-butanone. 2-Butanone is a common laboratory contaminant.

1,1-Dichloroethane was detected in one trip blank sample (Round 21) at a concentration of 1.31 µg/L, below the NJDEP GWQS of 50 µg/L for 1,1-dichloroethane.

The detection of acetone, chloroform, 2-butanone, and 1,1-dichloroethane in trip blanks indicates that sample handling procedures, including sample containers, may have introduced VOC contamination into the sampling and analysis process. However, COCs were not detected in trip blank samples.

Field Blanks

One field blank sample was obtained during each day's sampling activities to check for potential introduction of contaminants from the field sampling and equipment decontamination procedures. A total of 24 field blanks were collected during the Site 812 sampling program during this reporting period. 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 containers and submitted for analysis along with the Site 812 ground water samples.

Acetone was detected in one field blank (Round 27) at a concentration of 1.17 µg/L, below the NJDEP GWQS of 6,000 µg/L for acetone. Acetone is a common laboratory contaminant.

Chloroform was detected in eight field blank samples collected at concentrations ranging from 0.62 µg/L (Round 15) to 5.51 µg/L (Round 14), below the NJDEP GWQS of 70 µg/L. Chloroform is a common laboratory contaminant.

2-Butanone was also detected in one field blank (Round 32) at a concentration of 2.23 µg/L, below the NJDEP GWQS of 300 µg/L for 2-butanone. 2-Butanone is a common laboratory contaminant.

COCs were not detected in the field blanks.

Duplicate Samples

A total of 24 field duplicate samples were also collected during this reporting period for the Site 812 sampling events to verify the consistency of the entire sampling and analytical procedure. A field duplicate sample was not collected for second day of sampling for Round 18. One of the field duplicates collected (Round 31) was not analyzed. Two field duplicate samples were collected for two days of sampling for Round 14 and Round 26. Two of the field duplicates (Round 18 and Round 22) were analyzed using a Sample Multiplier of 1 and again using a Sample Multiplier of 5, and the corresponding primary sample (812MW04) was also analyzed using both of these Sample Multipliers, resulting in two duplicate analysis sets for comparison. A total of 24 sets of duplicate analyses were available for comparison. The results for all of the duplicate sample analyses were close to those obtained for the primary sample analyses. The Relative Percent Differences (RPDs) for the duplicate sample analyses ranged from 0.00 percent to 135.48 percent. The average RPD for the total sets of duplicate analyses was 12.39 percent. The duplicate sample analyses indicate a reasonable level of precision relative to typical environmental laboratory analytical result data sets.

6.0 REMEDIAL ACTION PROGRESS

The long-term ground water monitoring results indicate the concentrations of COCs have decreased in ground water at Site 812 as a result of enhanced natural attenuation. There is also not an indication of plume migration offsite.

6.1 Cost of Remediation Incurred To Date

The total cost to date for the annual implementation of the remedial actions performed at Site 812 is approximately $410K (Appendix F). This includes the preliminary assessment phase, site investigation, remedial investigation/feasibility study (RI/FS), remedial design (RD), long term monitoring (LTM), and reporting.

6.2 Discharge to Ground Water Permit

The fourth and fifth injections of HRC® (November to December 2004 and January to March 2005) were completed with the prior approval of the NJDEP under the provisions of a Permit-by-Rule agreement (Appendix B). Subsequent injections of HRC Advanced® for enhanced VOC degradation will be performed in accordance with NJDEP requirements.

6.3 Conclusions

COCs were not detected above the GWQS outside the identified AOCs or in Area 3 (Figure 3-1) during this reporting period, which covers over five years of ground water monitoring. Two COCs (benzene and 1,1,1-trichloroethane) exceeded the GWQS in Area 2 (812MW05); however, concentrations have been consistently well below the respective GWQS in 812MW05 for last 13 sampling quarters. Only one well (812MW04) in Area 1 continues to exhibit concentrations exceeding the GWQS for two COCs (benzene and vinyl chloride). Figures 5-2A through 5-2C illustrate the trend in concentrations of benzene and vinyl chloride relative to their respective GWQS in well 812MW04 over time.

Benzene concentrations in 812MW04 ranged from not detected (ND) to 3.28 µg/L (Round 18). The NJDEP GWQS for benzene was 1 µg/L throughout the current reporting period.

Benzene was detected in 812MW05 at a concentration of 1.02 J µg/L in one quarter of sampling (Round 21) during the current reporting period.

1,1,1-Trichloroethane concentrations in 812MW05 ranged from not detected (ND) to 48.92 µg/L (Round 20) during the current reporting period. The NJDEP GWQS for 1,1,1-trichloroethane was 30 µg/L throughout the current reporting period. 1,1,1-Trichloroethane only exceeded the GWQS in four quarters of sampling, and has not exceeded the GWQS since the 2nd Quarter 2005.

Vinyl chloride concentrations in 812MW04 ranged from not detected (ND) to 49.43 µg/L (Round 18 duplicate). The NJDEP GWQS for vinyl chloride was 5 µg/L through Round 22 and then was revised to 1 µg/L in November of 2005 and remained 1 µg/L throughout the remainder of the current reporting period.

Although concentrations of COCs have fluctuated over time, the COC levels have generally decreased in all monitoring wells where concentrations were above the GWQS at the onset of the first HRC® injection. The conclusion is that HRC® injections have enabled natural attenuation to proceed at an increased rate; however, shallow ground water in Area 1, characterized by well 812MW04, is still of concern. It is noteworthy that COCs were not detected during this reporting period in the deep monitoring well 812MW01, which is in close proximity and down/crossgradient of monitoring well 812MW04. COCs were also not detected in the other deep monitoring well 812MW02. The chlorinated COCs are heavier than water and sink in ground water. Lack of detection of the chlorinated COCs in the deep monitoring wells appears to indicate that the extent of impact is limited to shallow ground water at Site 812.

6.4 Recommendations

VEETech recommends that the DPW continue quarterly ground water sampling and monitoring activities, as concentrations of benzene and vinyl chloride in shallow ground water of Area 1 (812MW04) continue to exceed NJDEP GWQS. However, a reduction in the monitoring program is warranted, as COCs have not been detected in six of the eight monitoring wells currently being monitored (812MW01, 812MW02, 812MW06, 812MW07, 812MW08, and 812MW14). Additionally, the COCs detected in monitoring well (812MW05) have been consistently well below GWQS for the most recent 13 sampling quarters covered during this reporting period. Although a reduction in the monitoring program is warranted, the existing sampling program will be continued to monitor the effectiveness of injection treatments at the site. Remedial action progress will be monitored and reported to the NJDEP periodically.

Elevations for monitoring well 812MW04 have been discovered to be in error. This well will be resurveyed and corrections to elevations for this well will be incorporated into future RAPRs.

6.4.1 Sampling Program

The following table provides a summary of the current quarterly ground water sampling program at Site 812.

Monitoring Well	Analyzed for	Recommended Future Sampling	Reason
812MW01	VOCs	Continue VOCs Quarterly	Deep Well in Area 1
812MW02	VOCs	Continue VOCs Quarterly	Hydraulically Downgradient well
812MW04	VOCs	Continue VOCs Quarterly	Exceedances of GWQS for Benzene and Vinyl Chloride in Shallow Ground Water in Area 1 (Source Well)
812MW05	VOCs	Continue VOCs Quarterly	Hydraulically Upgradient wellGWQS
812MW06	VOCs	Continue VOCs Quarterly	Hydraulically Side gradient well

Monitoring Well	Analyzed for	Recommended Future Sampling	Reason
812MW07	VOCs	Continue VOCs Quarterly	Hydraulically Downgradient well
812MW08	VOCs	Continue VOCs Quarterly	Hydraulically Downgradient well
812MW14	VOCs	Continue VOCs Quarterly	Hydraulically Downgradient well

6.5 Remedial Action Schedule

The table and Gantt Chart provided in Appendix F is a schedule summary for remedial activities at Site 812 from the Preliminary Assessment phase through the end of this reporting period and estimated into the future. This table/chart includes actual costs and schedule to date and estimated/anticipated costs and schedule projected for future activities.

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7.0 REFERENCES

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

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

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

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

New Jersey Department of Environmental Protection, August 2005, *Field Sampling Procedures Manual.*

New Jersey Department of Environmental Protection, September 2008, *Technical Requirements for Site Remediation*, N.J.A.C. 7:26E.

U.S. Army Garrison, Fort Monmouth, New Jersey, Directorate of Public Works (DPW), August 1999, Revision #1 January 2003, Revision #2 September 2004, and Revision #3 January 2006 *Fort Monmouth Standard Sampling Operating Procedure (SOP No.: SAM-0205).*

SMC Environmental Services Group, September 1998, *Underground Storage Tank Closure and Site Investigation Report, Building 812, Main Post-West Area, NJDEP Registration No. 0081533-133.*

Versar Inc. (VERSAR), June 2001, *Remedial Investigation Report and Remedial Action Work Plan (RIR/RAWP) – Site 812, Fort Monmouth, New Jersey.*

Versar Inc. (VERSAR), December 2003, *Site 812 Remedial Action Progress Report, 2000-2002, Fort Monmouth, New Jersey.*

Versar Inc. (VERSAR), September 2005, *Site 812 Remedial Action Progress Report, 2002-2003, Fort Monmouth, New Jersey.*

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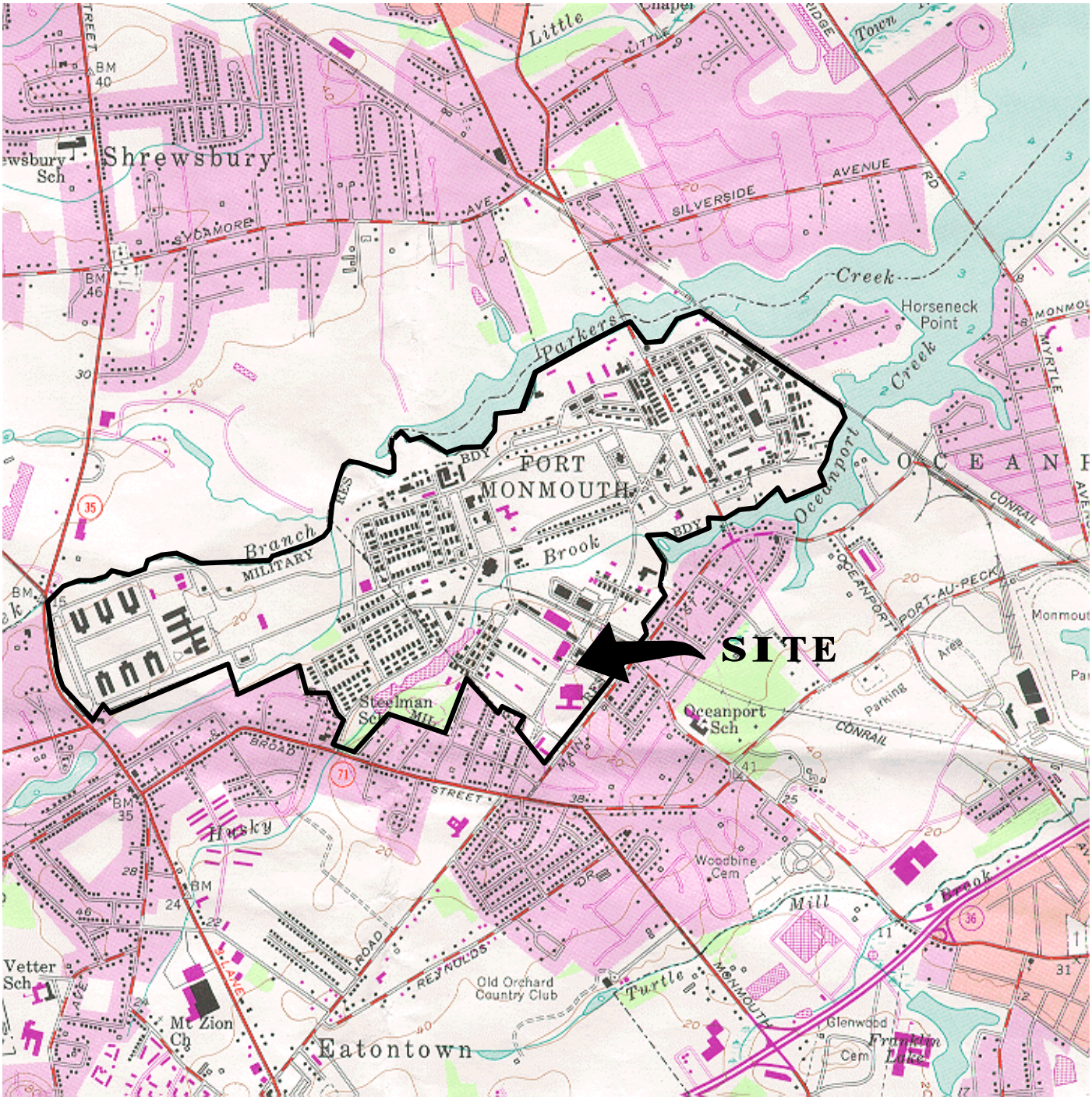
FIGURES



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QUADRANGLE LOCATION

Mapped, edited and published by the U.S. Geological Survery

Figure 2-1
Site 812 Location Map
Fort Monmouth, New Jersey

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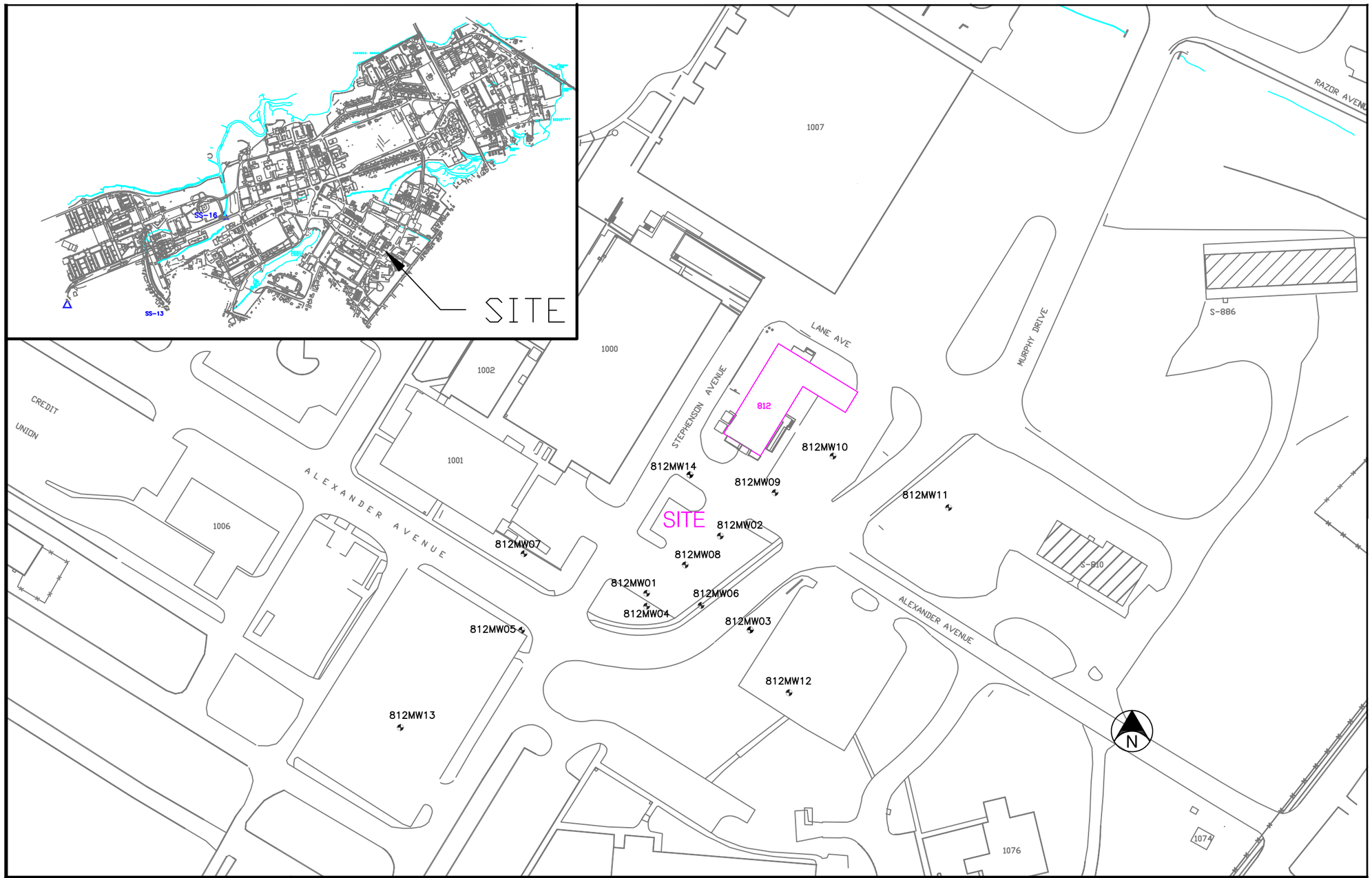

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SITE LAYOUT MAP

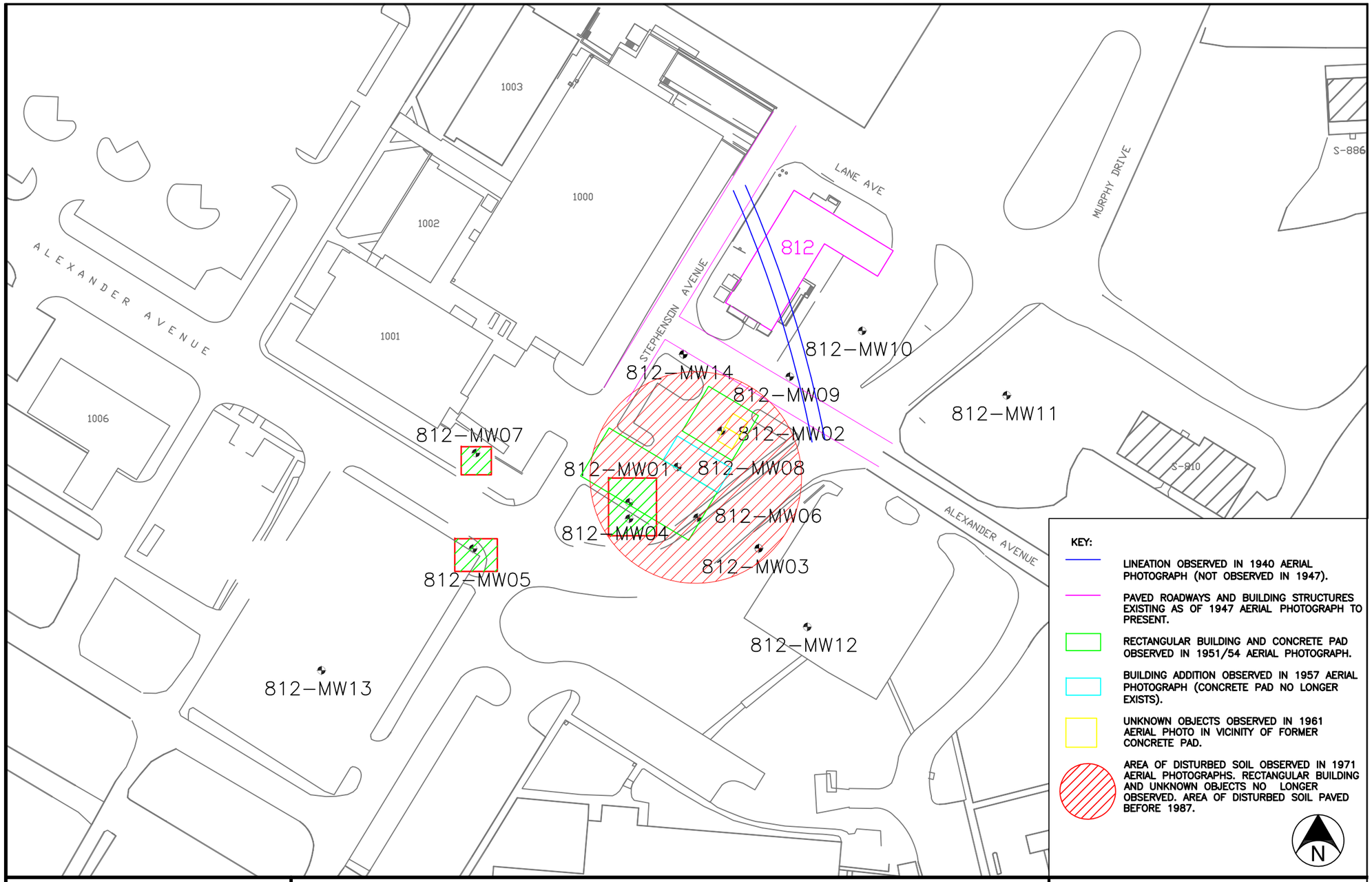
SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042-06-017

SCALE
0 25 50 100

30-NOV-09

FIGURE NO.
2-2



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HISTORICAL SITE MAP

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042-06-017

15-OCT-09

SCALE
0 20 40 80

FIGURE NO.
2-3

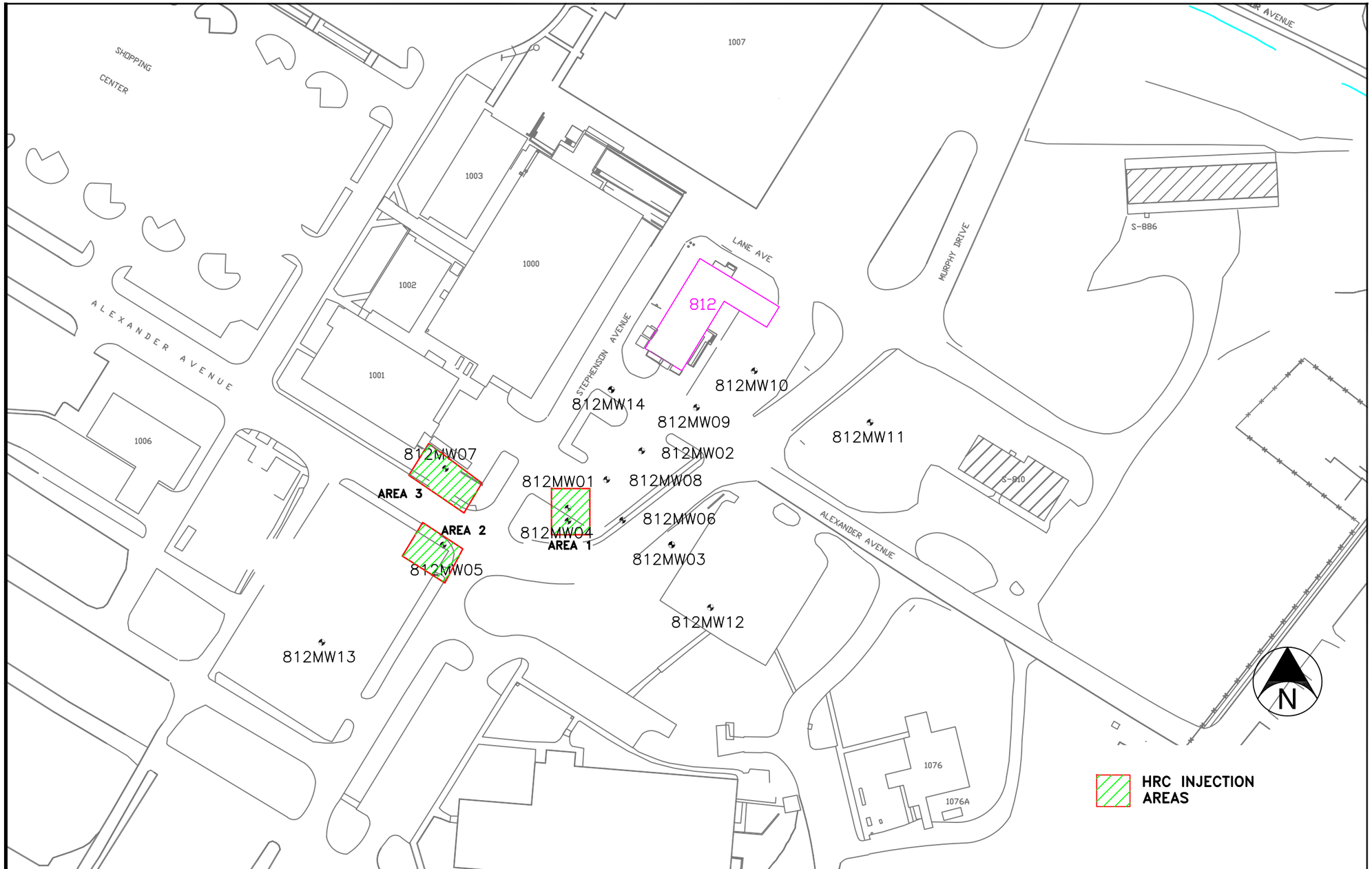

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FIGURE 3–1
THIRD & FOURTH HRC INJECTION AREAS

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 25 50 100

DATE: 21–OCT–09

FIGURE NO.
3-1

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-1 (contour map not constructed)
(October 20 & 22, 2003)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No X. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes X No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Due to the ground water gauging event occurred on two separate days, this contour map is omitted for 812MW01, 812MW02, 812MW03, 812MW04, 812MW05, 812MW06, 812MW07, 812MW08, 812MW09, 812MW10, 812MW11, 812MW12, 812MW13,812MW14

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No X. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

N/A

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

N/A

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-2 (January 22, 2004)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No X. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes X No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No X. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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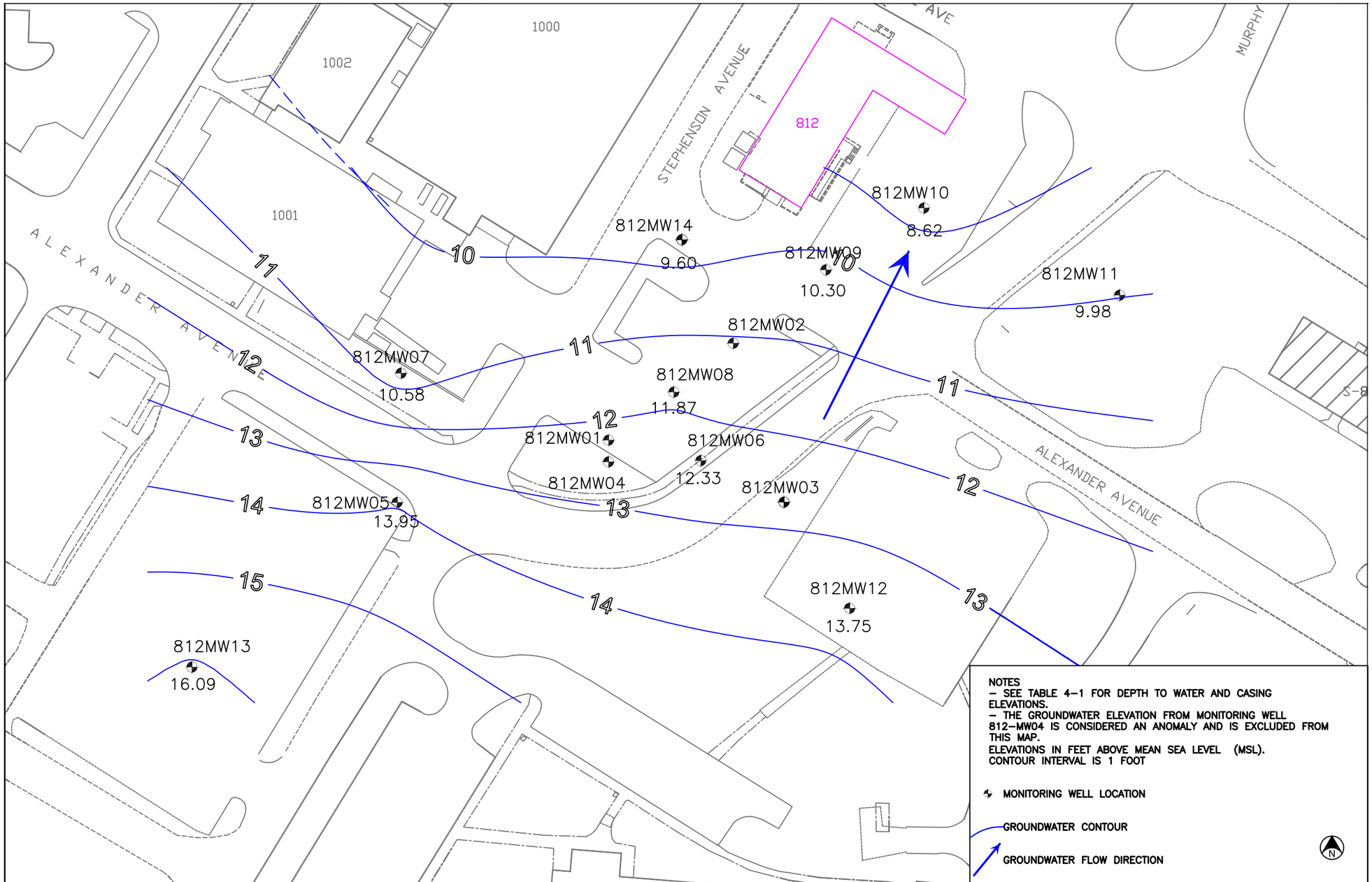
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



NOTES
– SEE TABLE 4–1 FOR DEPTH TO WATER AND CASING ELEVATIONS.
– THE GROUNDWATER ELEVATION FROM MONITORING WELL 812–MW04 IS CONSIDERED AN ANOMALY AND IS EXCLUDED FROM THIS MAP.
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (MSL).
CONTOUR INTERVAL IS 1 FOOT

MONITORING WELL LOCATION

GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

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GROUND WATER CONTOUR MAP (JANUARY 22, 2004)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-2

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-3 (April 22, 2004)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No X. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes X No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No X. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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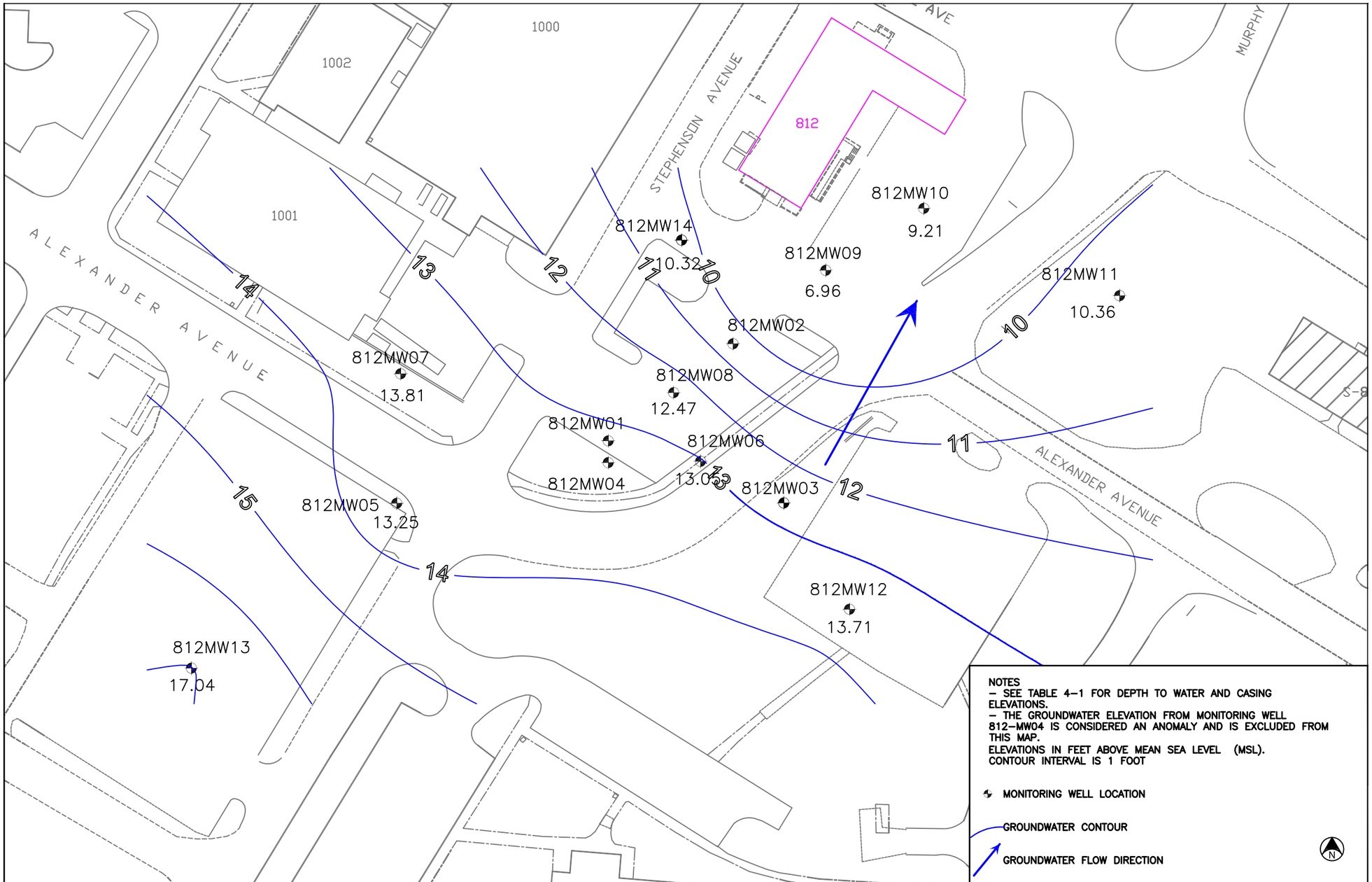
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (APRIL 22, 2004)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-3

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-4 (July 14, 2004)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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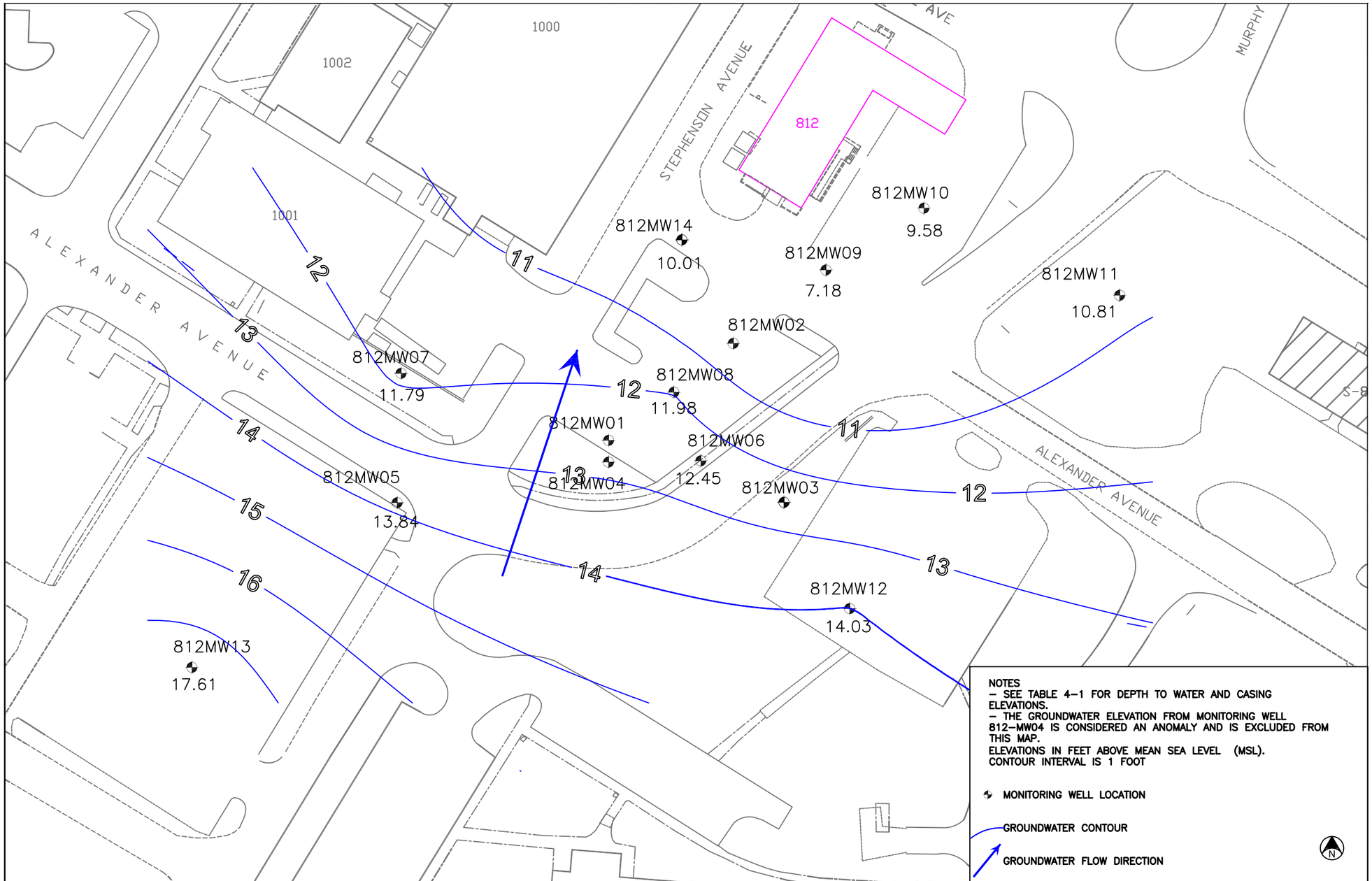
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JULY 14, 2004)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-4

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-5 (October 28, 2004)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW11, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No___. If yes, discuss the reasons for the change. N/A

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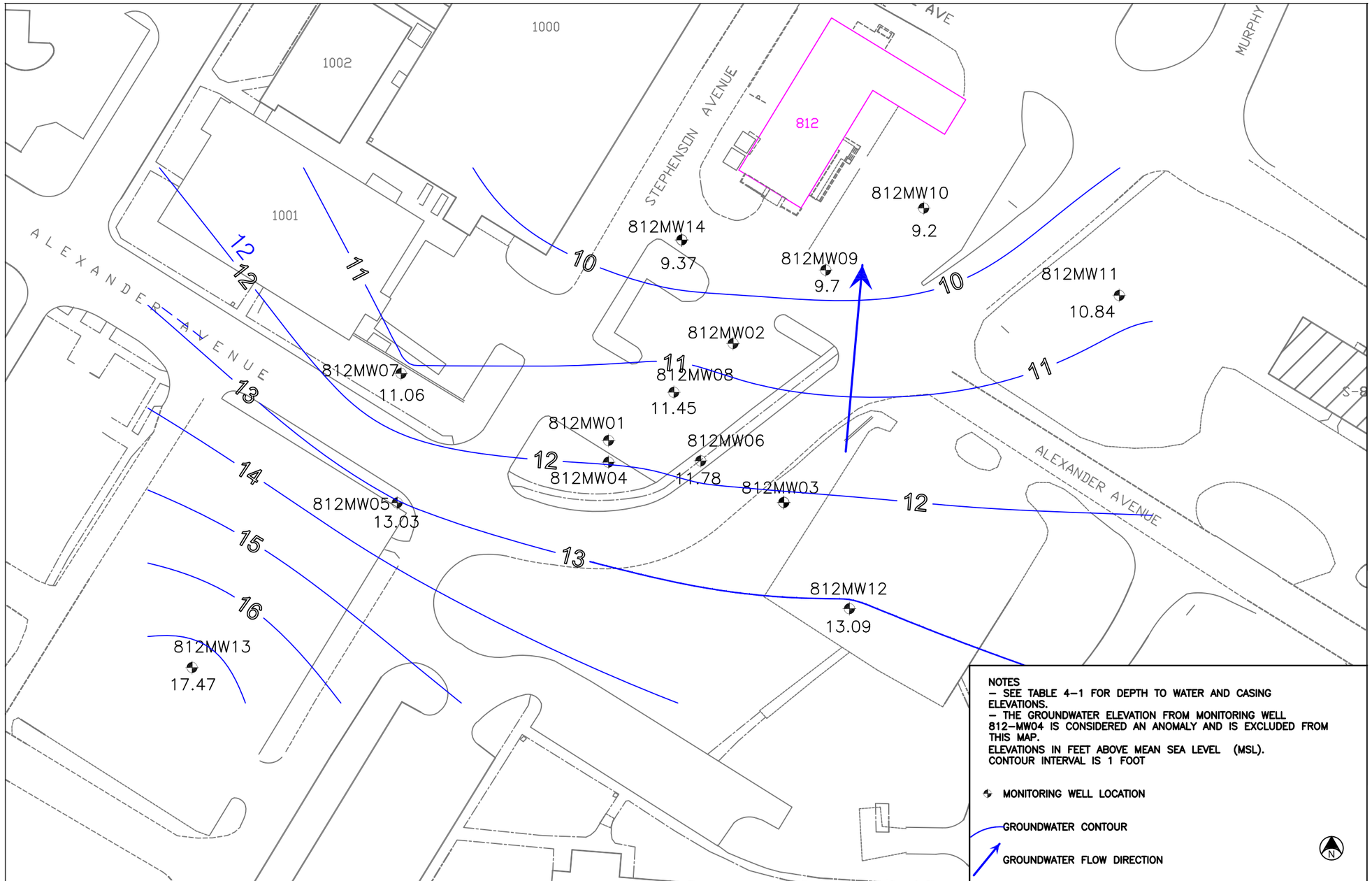
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (OCTOBER 28, 2004)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-5

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-6 (January 12, 2005)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW10, 812MW11, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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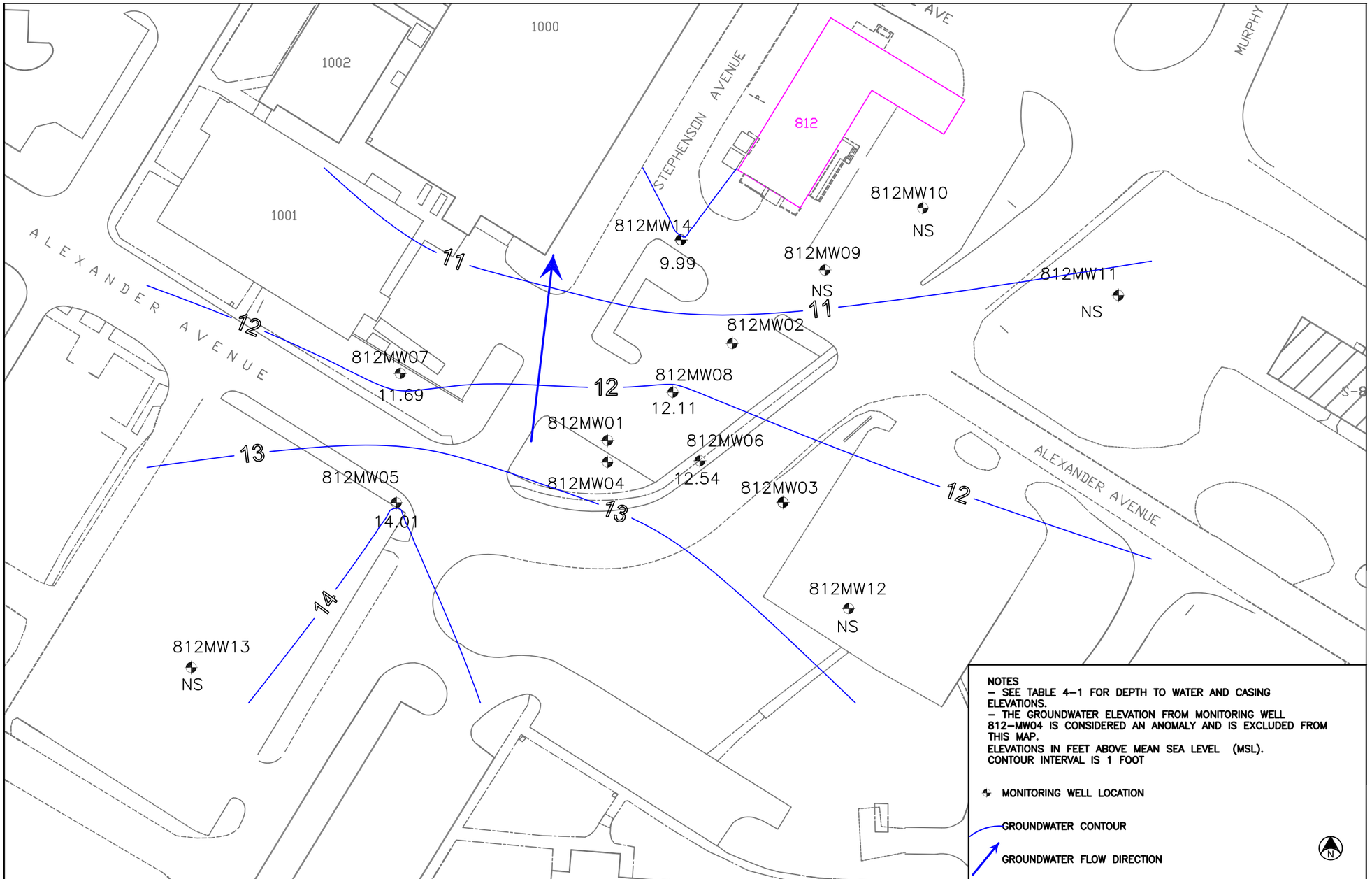
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JANUARY 12, 2005)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-6

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ALL COMPILED IN TITLE 7 OF THE NJ ADMINISTRATIVE CODE.

APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-7 (April 12, 2005)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW11, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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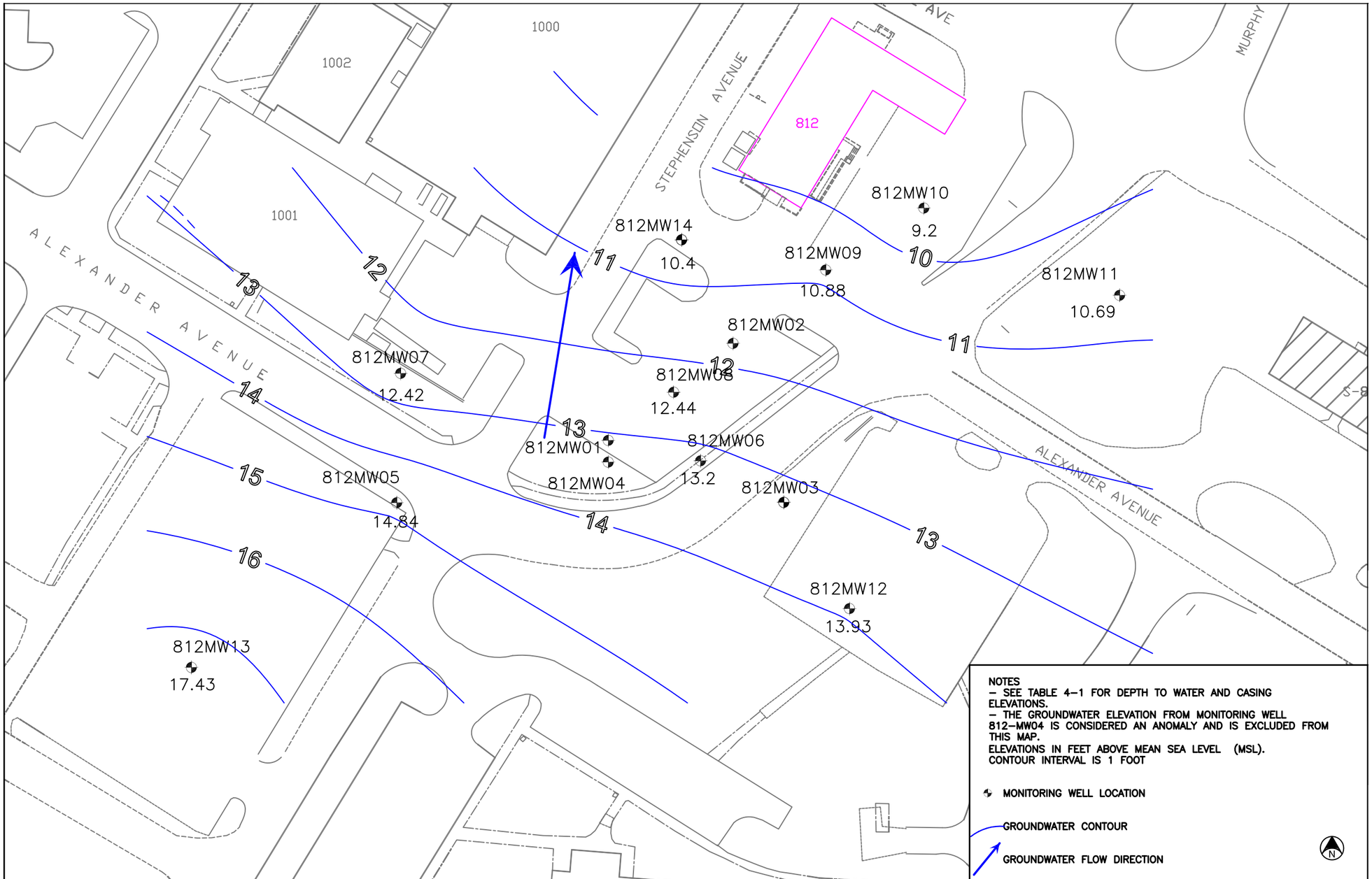
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (APRIL 12, 2005)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 2011–05–011

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-7

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-8 (July 6, 2005)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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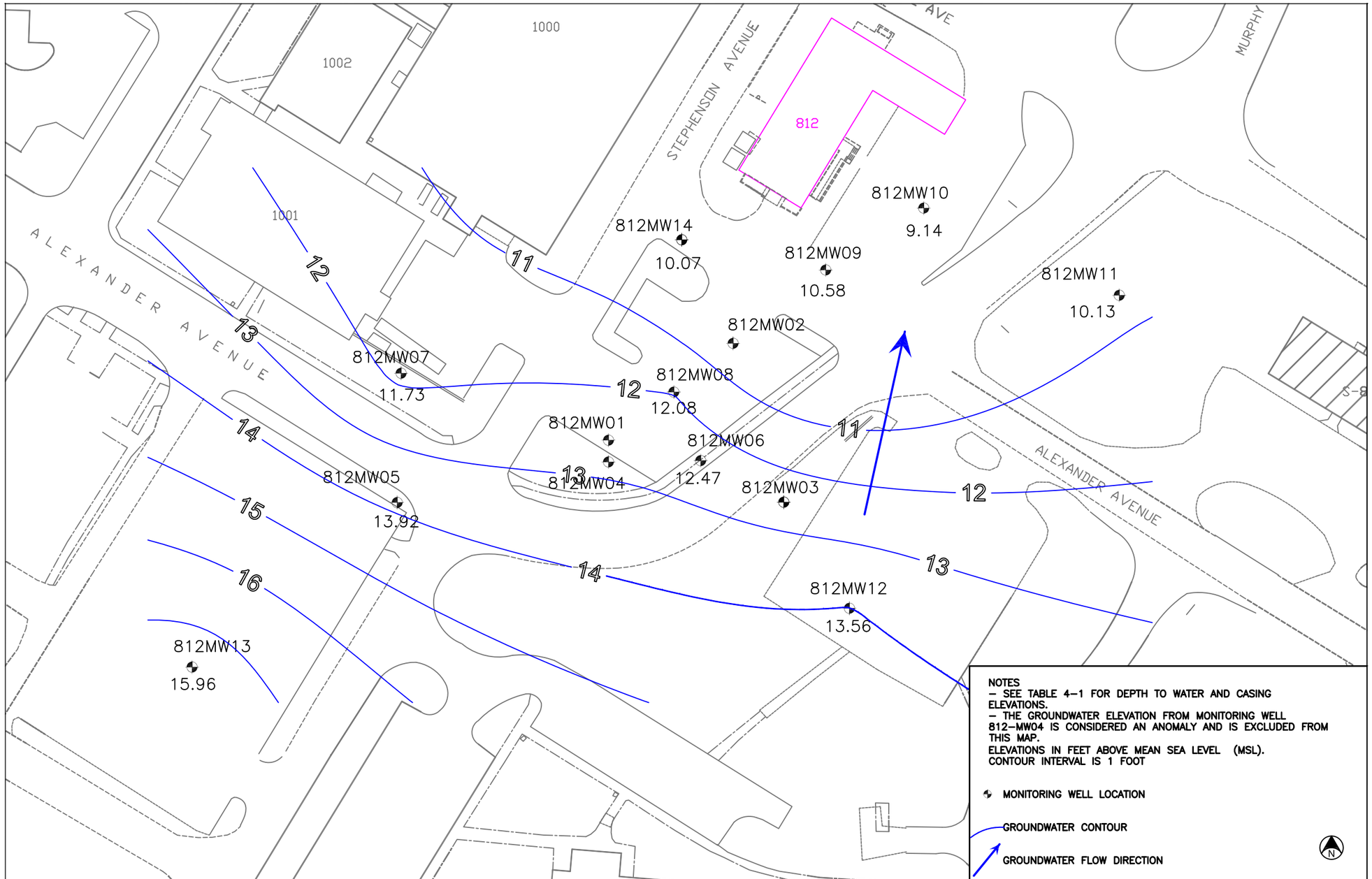
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JULY 6, 2005)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJCET NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 11–FEB–10

FIGURE NO.
4-8

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-9 (October 26, 2005)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW11, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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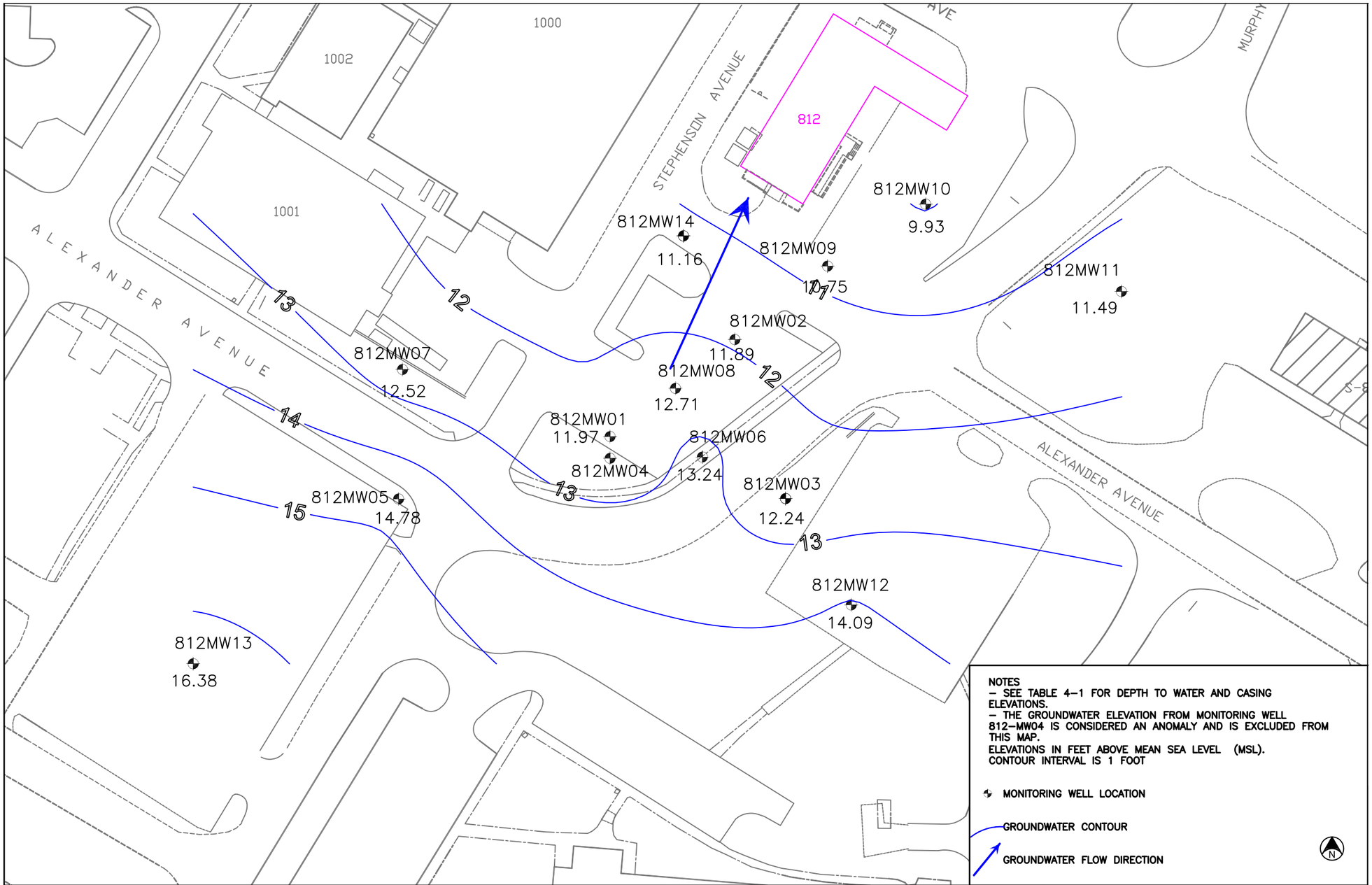
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (OCTOBER 26, 2005)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-9

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ALL COMPILED IN TITLE 7 OF THE NJ ADMINISTRATIVE CODE.

APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-10 (January 11, 2006)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW10, 812MW11, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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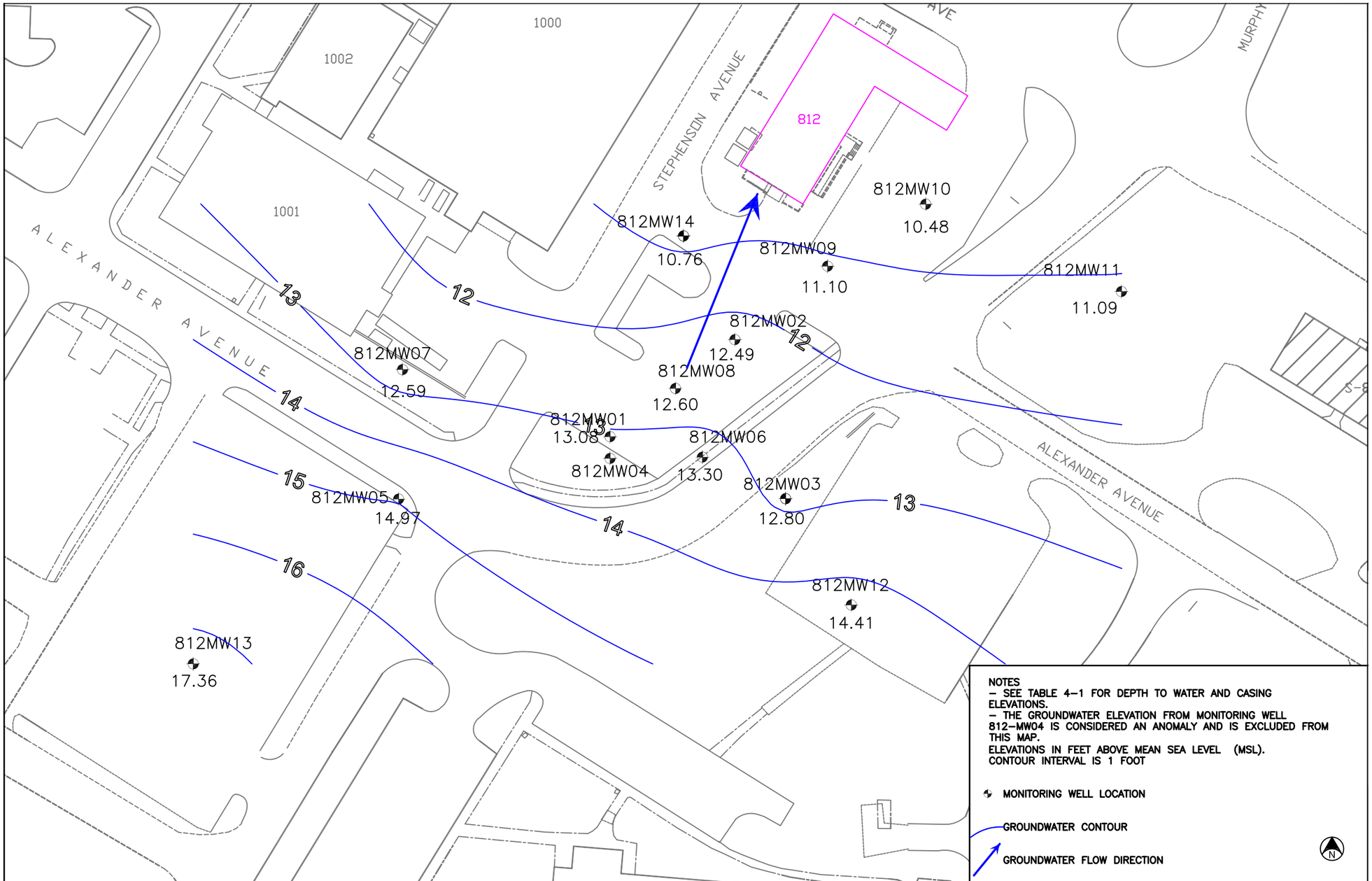
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JANUARY 11, 2006)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-10

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-11 (April 12, 2006)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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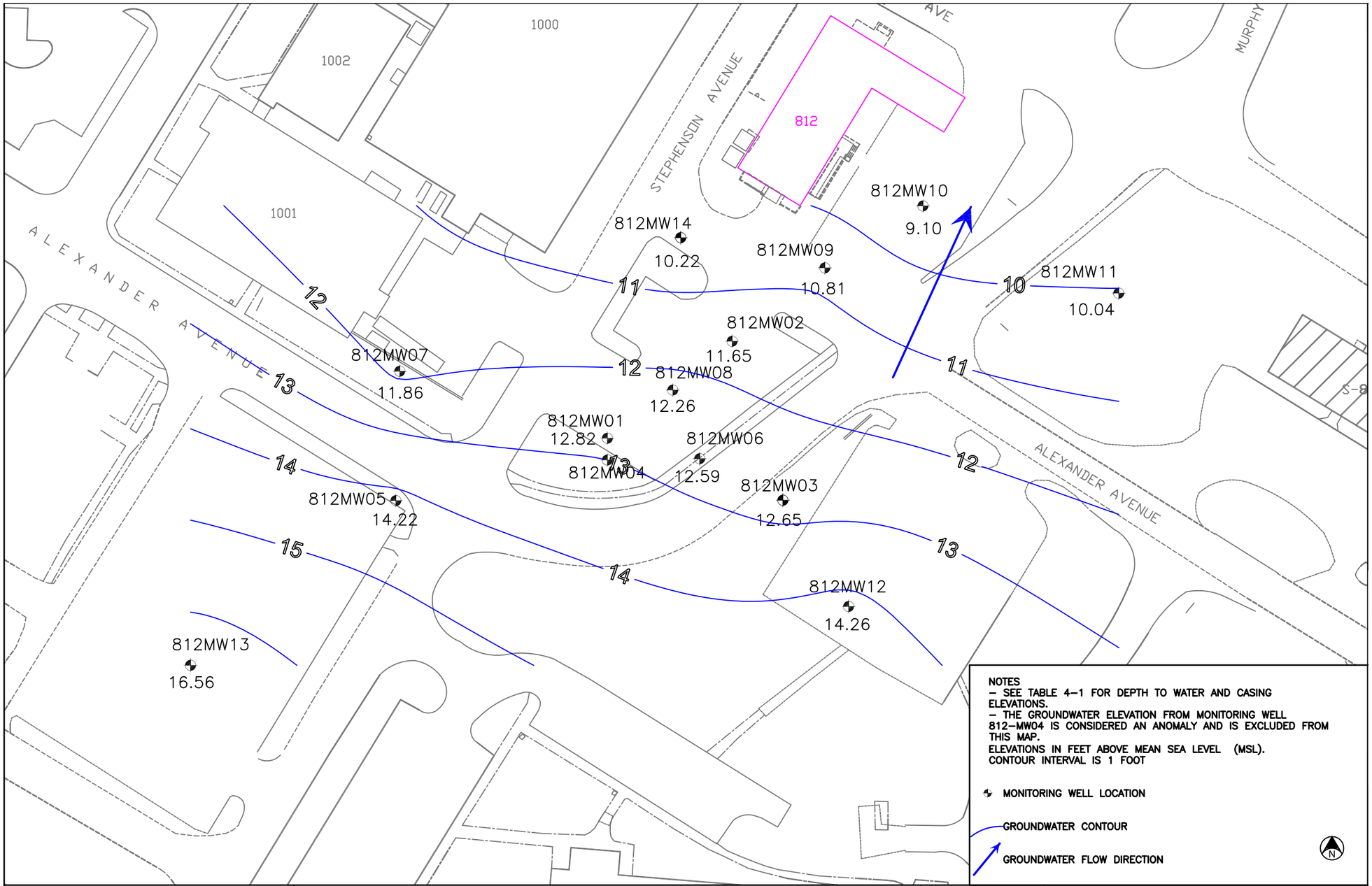
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (APRIL 12, 2006)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-11

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-12 (July 14, 2006)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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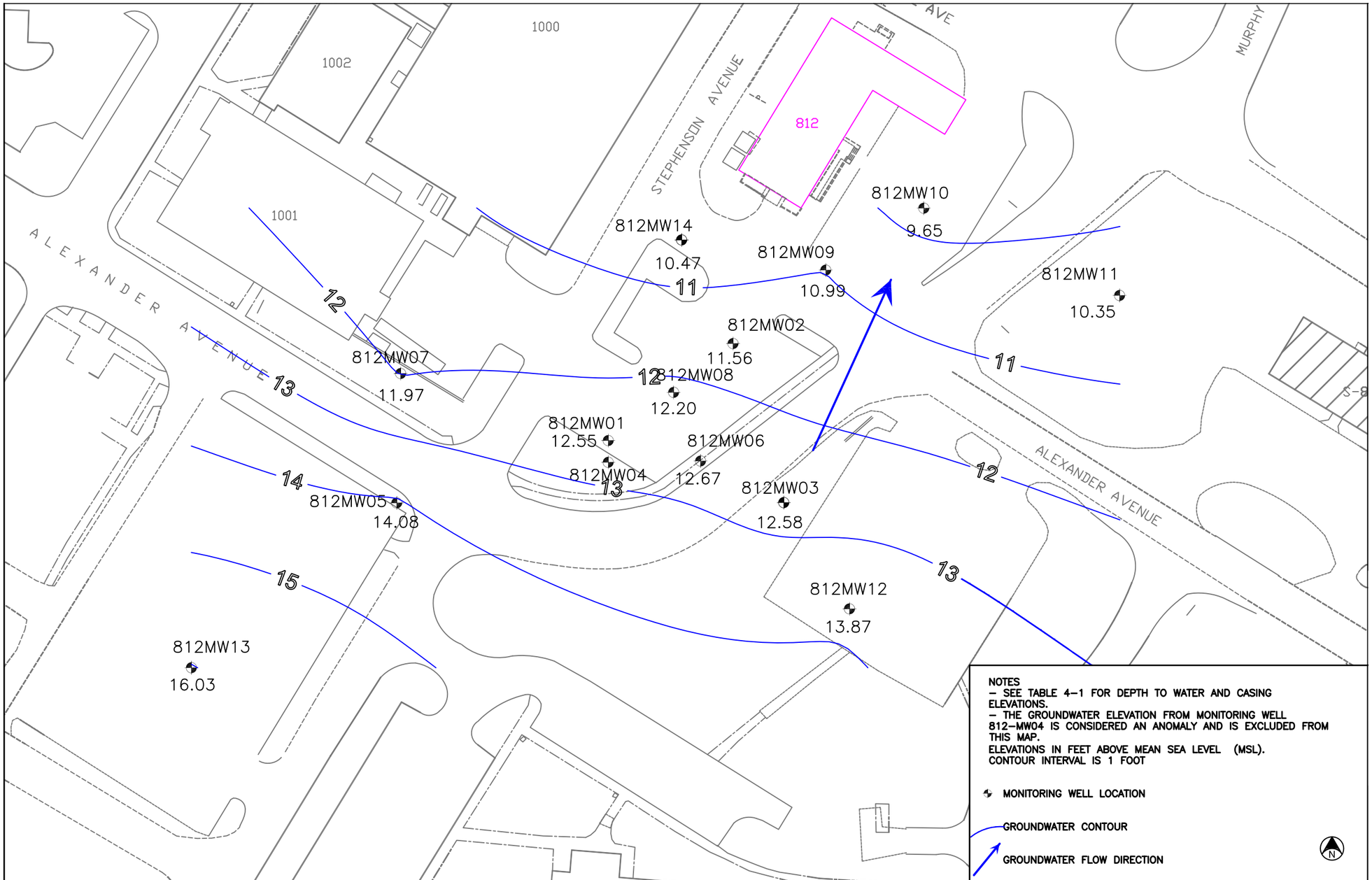
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JULY 14, 2006)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-12

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-13 (contour map not constructed)
(October 25 & 26, 2006)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No X. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW11, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes X No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Due to the ground water gauging event occurred on two separate days, this contour map is omitted for 812MW01, 812MW02, 812MW03, 812MW04, 812MW05, 812MW06, 812MW07, 812MW08, 812MW09, 812MW10, 812MW11, 812MW12, 812MW13,812MW14

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No X. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No___. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

N/A

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

N/A

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-14 (January 11, 2007)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW11, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No___. If yes, discuss the reasons for the change. N/A

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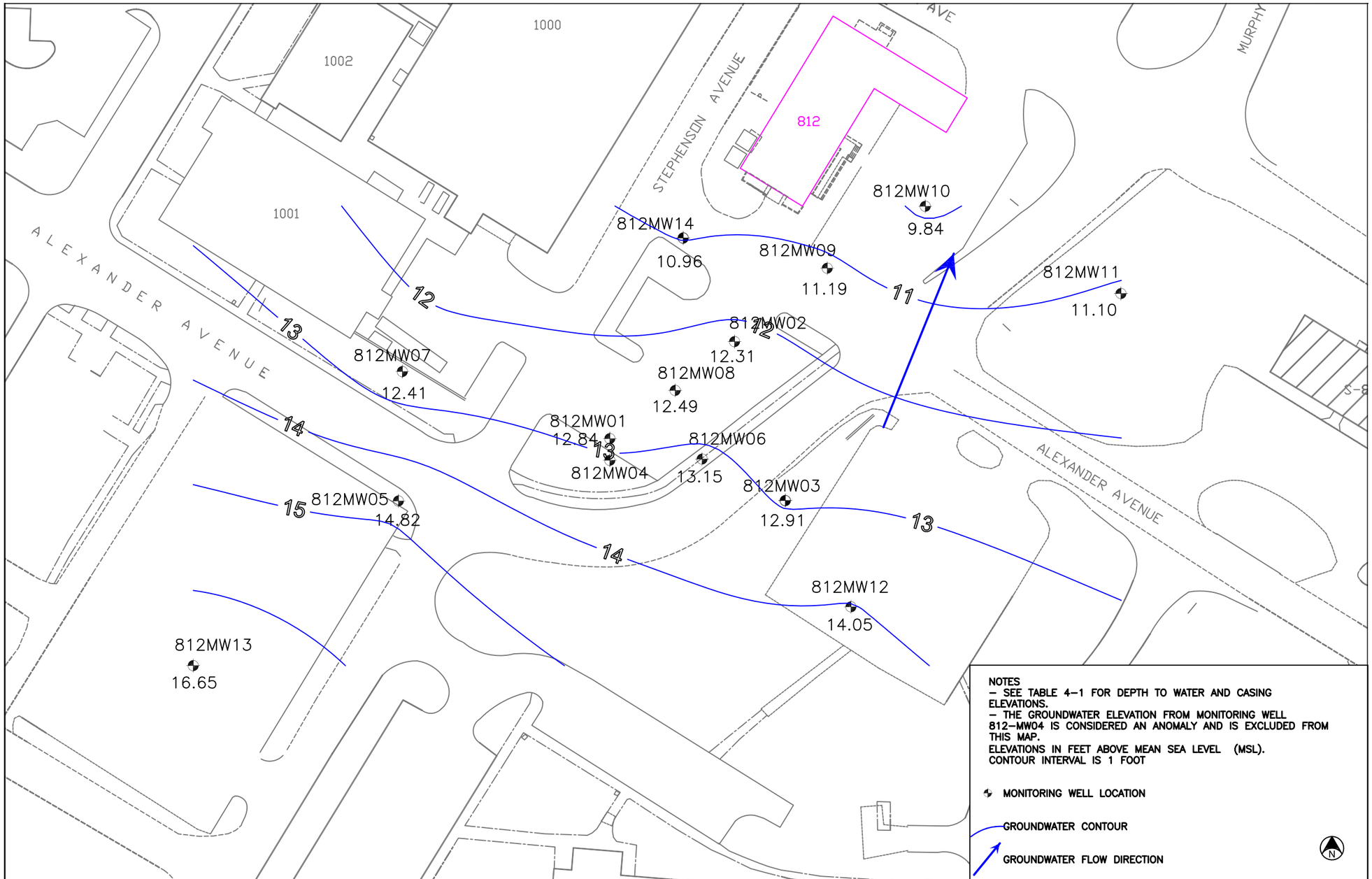
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

N/A

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JANUARY 11, 2007)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-14

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-15 (April 30, 2007)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No X. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW05, 812MW09, 812MW11, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes X No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No X. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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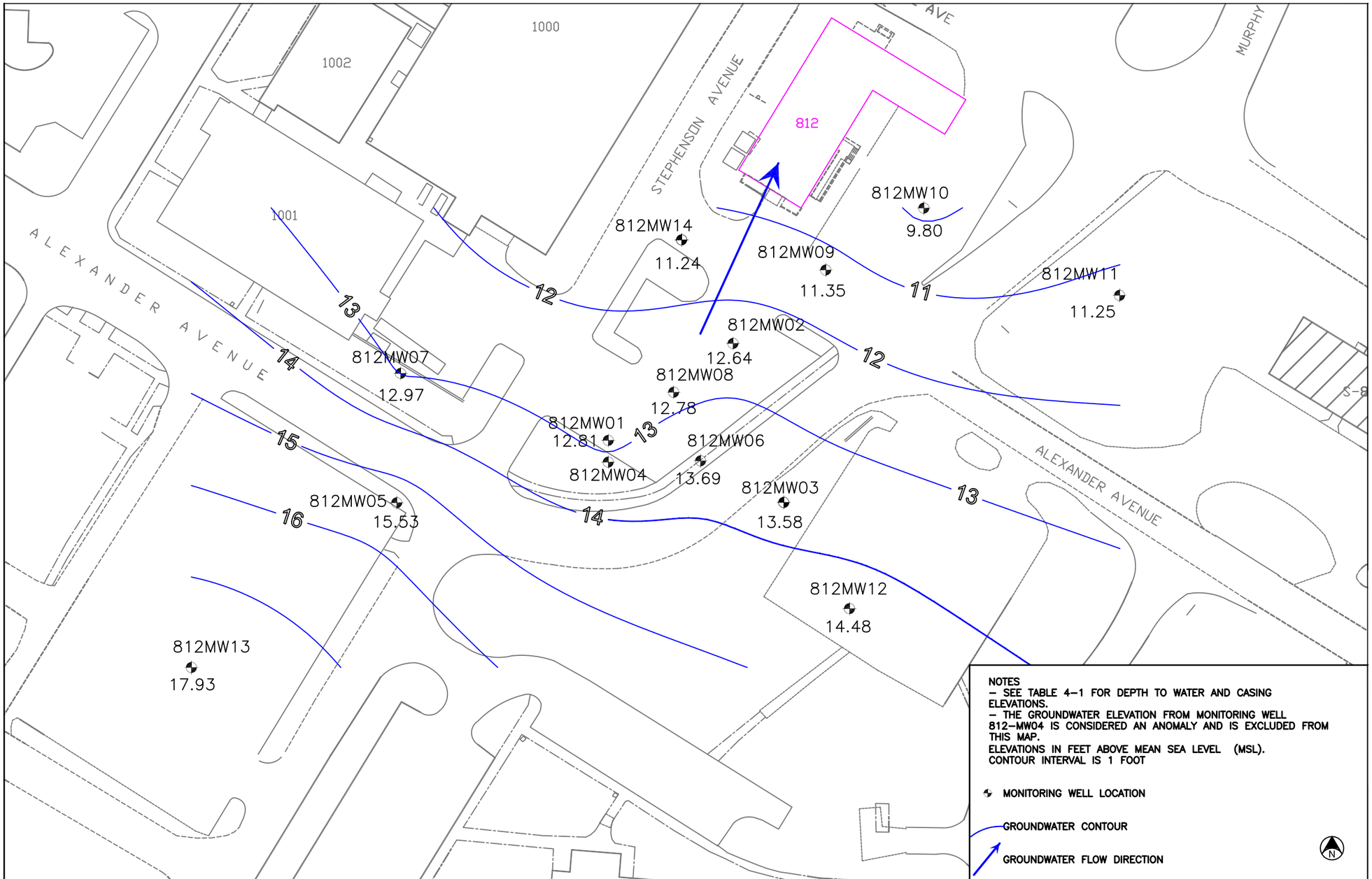
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



NOTES
– SEE TABLE 4–1 FOR DEPTH TO WATER AND CASING ELEVATIONS.
– THE GROUNDWATER ELEVATION FROM MONITORING WELL 812–MW04 IS CONSIDERED AN ANOMALY AND IS EXCLUDED FROM THIS MAP.
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (MSL).
CONTOUR INTERVAL IS 1 FOOT

MONITORING WELL LOCATION

GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

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GROUND WATER CONTOUR MAP (APRIL 30, 2007)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-15

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-16 (July 24, 2007)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW11, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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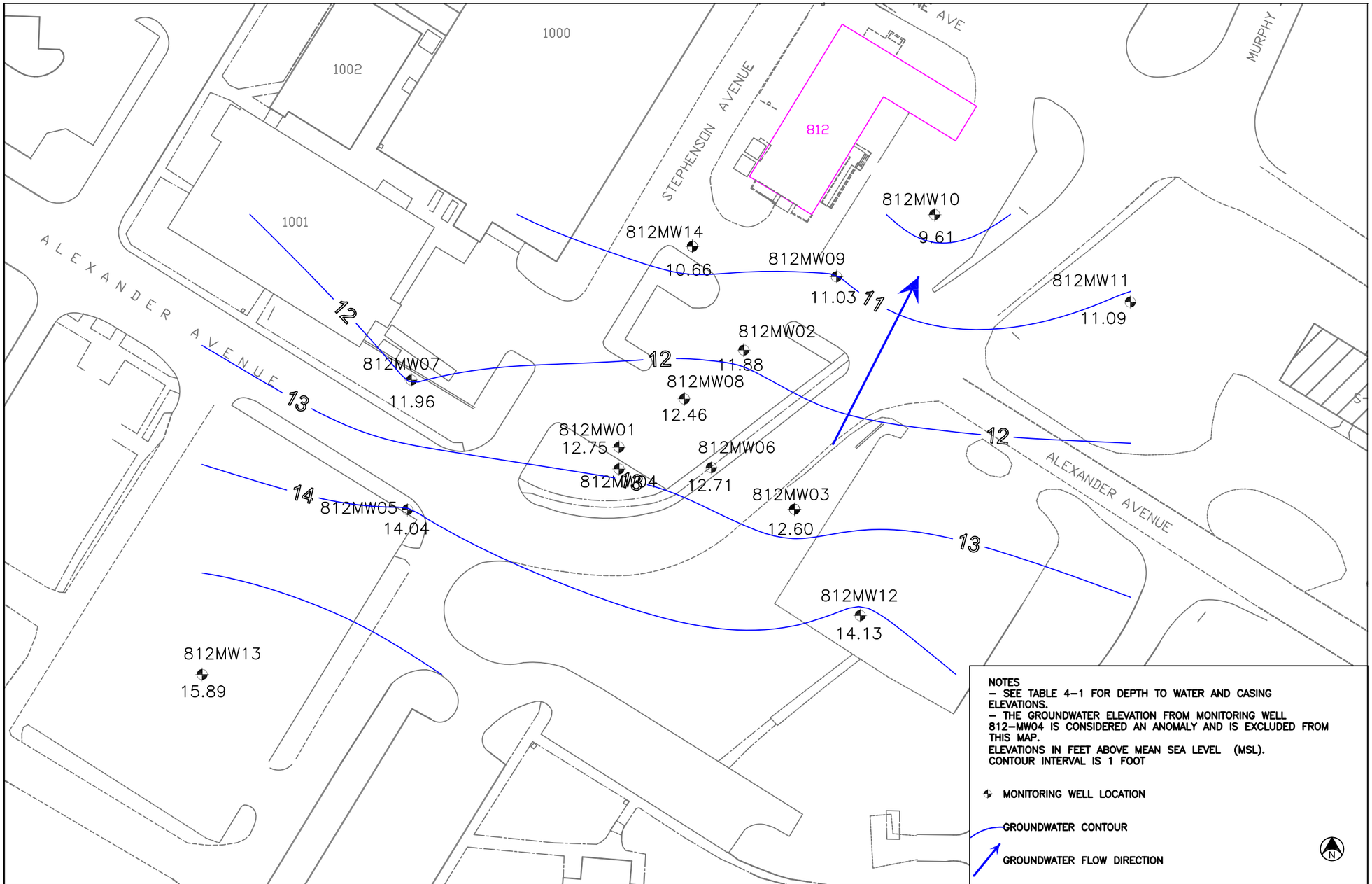
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JULY 24, 2007)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-16

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-17 (October 17, 2007)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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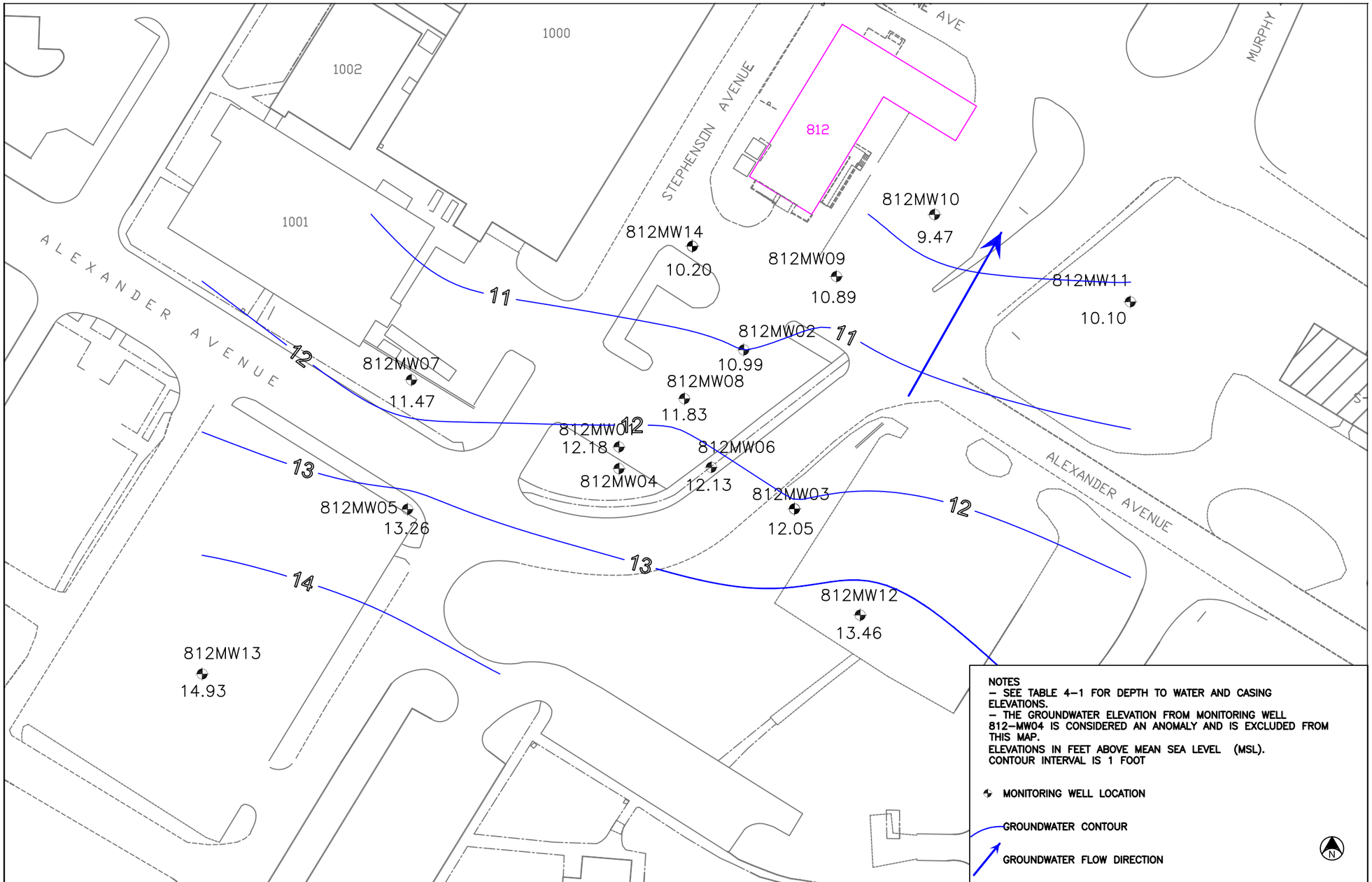
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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Technologists, Engineers and Designers For a Cleaner Environment

GROUND WATER CONTOUR MAP (OCTOBER 17, 2007)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-17

NOTE: THIS IS A COURTESY COPY OF THIS RULE. ALL OF THE DEPARTMENT'S RULES ALL COMPILED IN TITLE 7 OF THE NJ ADMINISTRATIVE CODE.

APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-18 (February 20, 2008)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW11, 812MW12, 812MW13

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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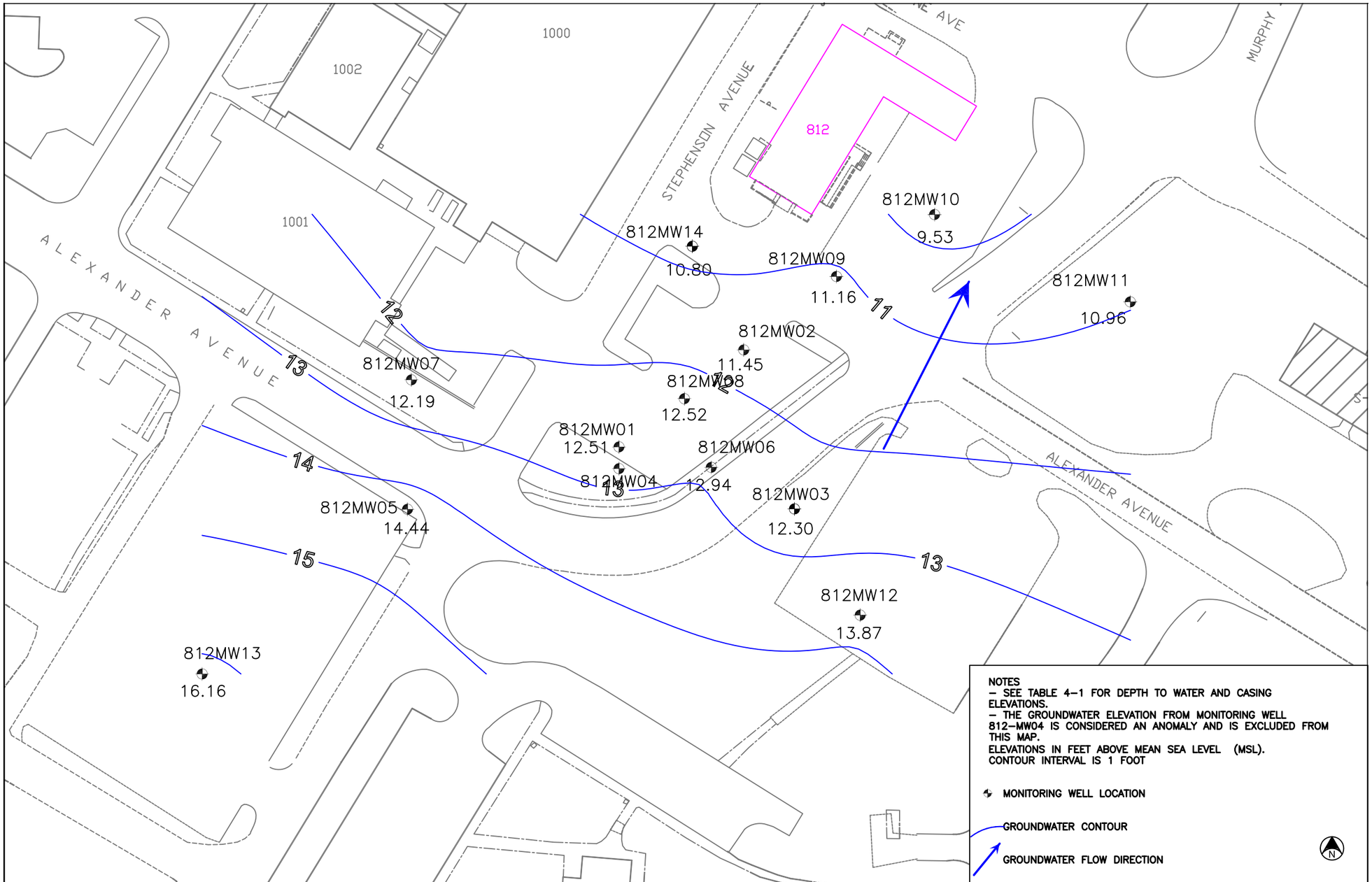
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (FEBRUARY 20, 2008)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-18

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-19 (April 9, 2008)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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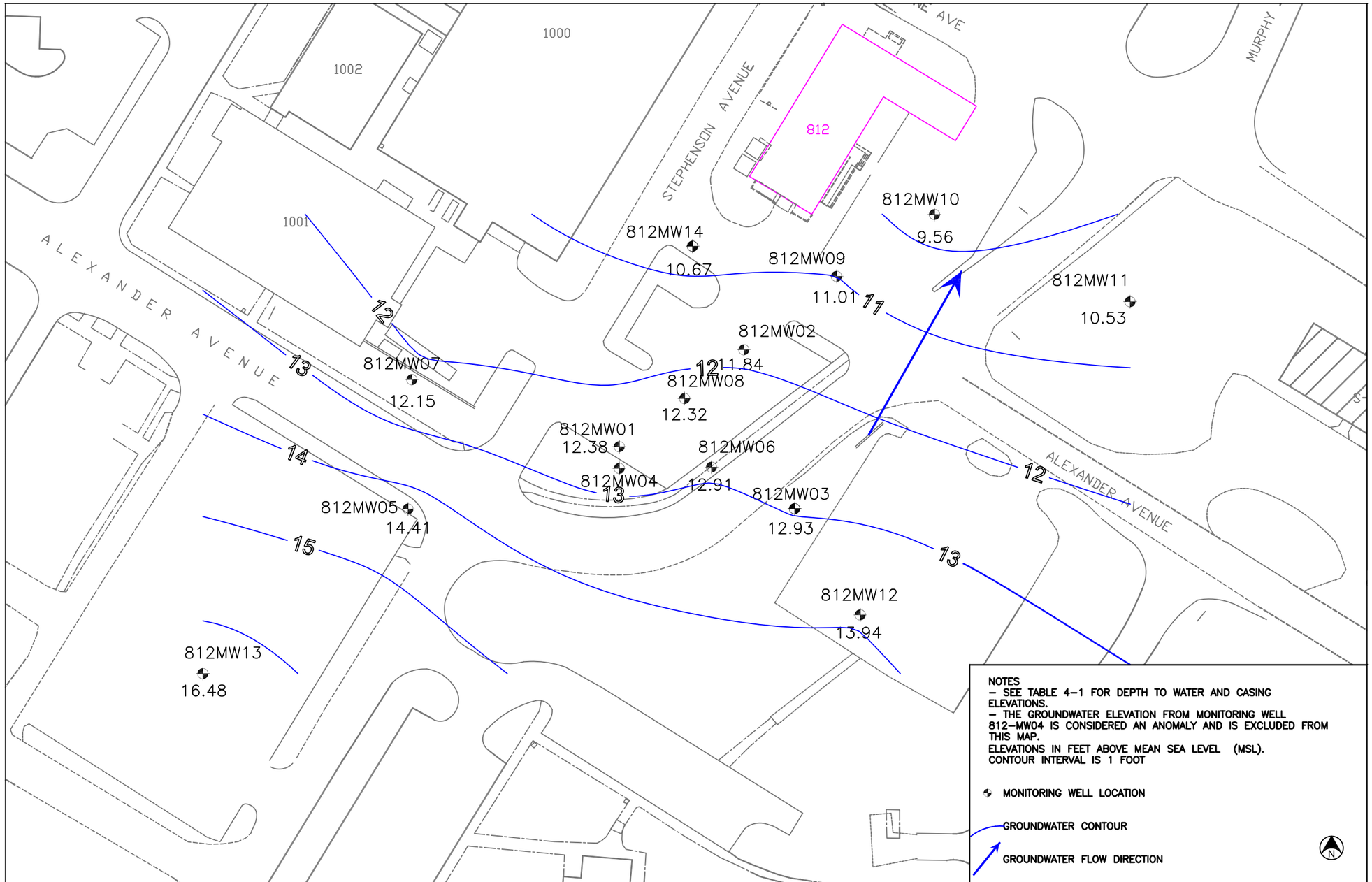
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (APRIL 9, 2008)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-19

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-20 (July 25, 2008)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No_X_. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes_X_ No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes_X_ No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No_X_. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No_X_. If yes, discuss the reasons for the change.

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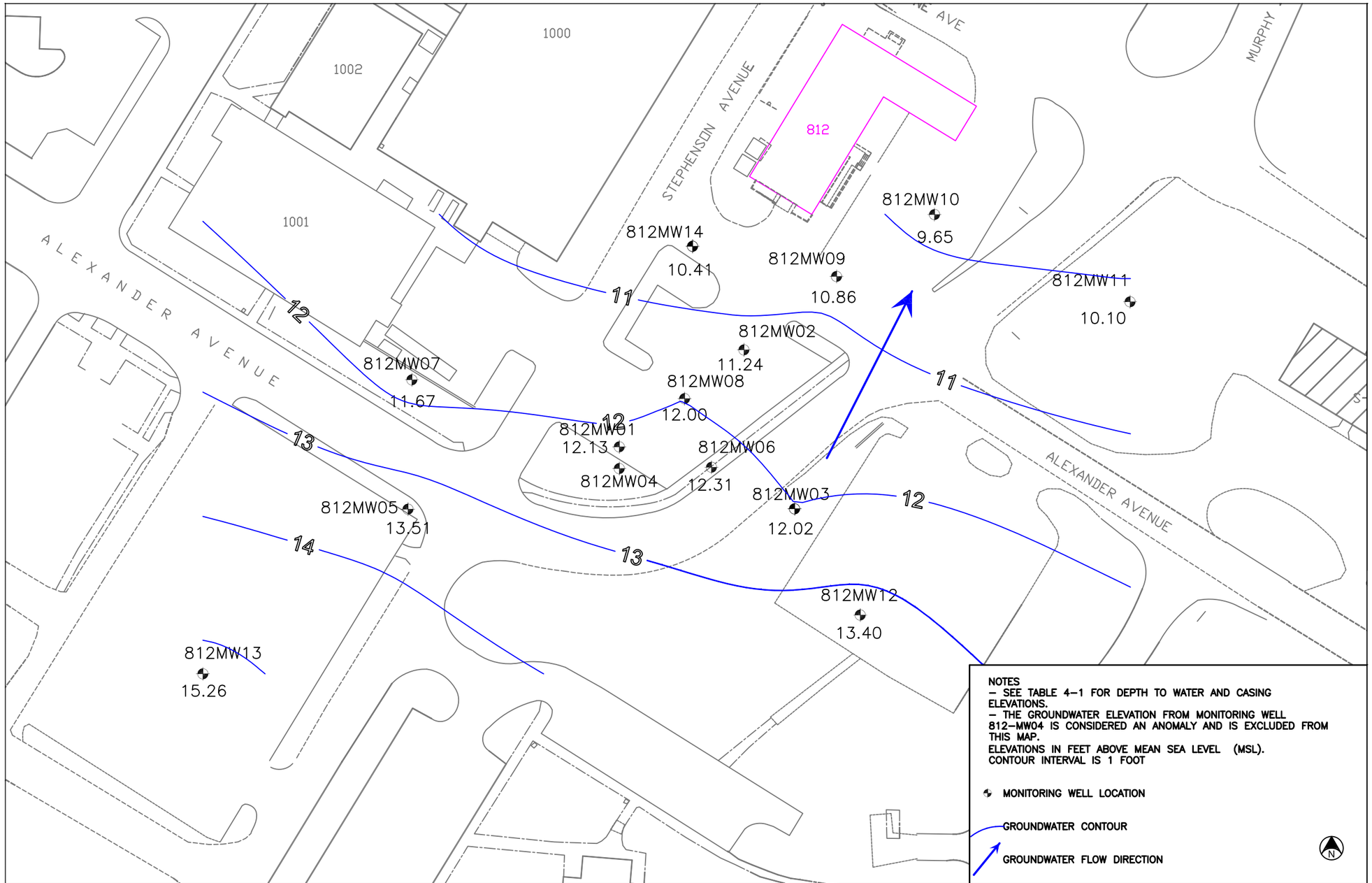
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (JULY 25, 2008)

SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-20

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APPENDIX G
Contour Map Reporting Form

This reporting form shall accompany each ground water contour map submittal. Use additional sheets as necessary.

Site 812 Figure 4-21 (October 22, 2008)

1. Did any surveyed well casing elevations change from the previous sampling event? Yes___ No X. If yes, attach new "Well Certification - Form B – Location Certification" as found in the "Guide for the Submission of Remedial Action Workplans" (NJDEP, March 1995) and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.).

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? Yes X No___. If yes, identify these wells.

812MW01, 812MW02, 812MW03, 812MW09, 812MW12

3. Are there any monitor wells present at the site but omitted from the contour map? Yes X No___. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

Monitoring well 812MW04 is omitted from the contour map, as this well is very shallow and the ground water elevation in this well is not representative of the ground water elevations for other monitoring wells on the site. The total depth of 812MW04 is 6.62 ft bgs.

4. Are there any monitor wells containing separate phase product during this measuring event? Yes___ No X. Were any of the monitor wells with separate phase product included in the ground water contour map? Yes___ No___. If yes, show the formula used to correct the water table elevation.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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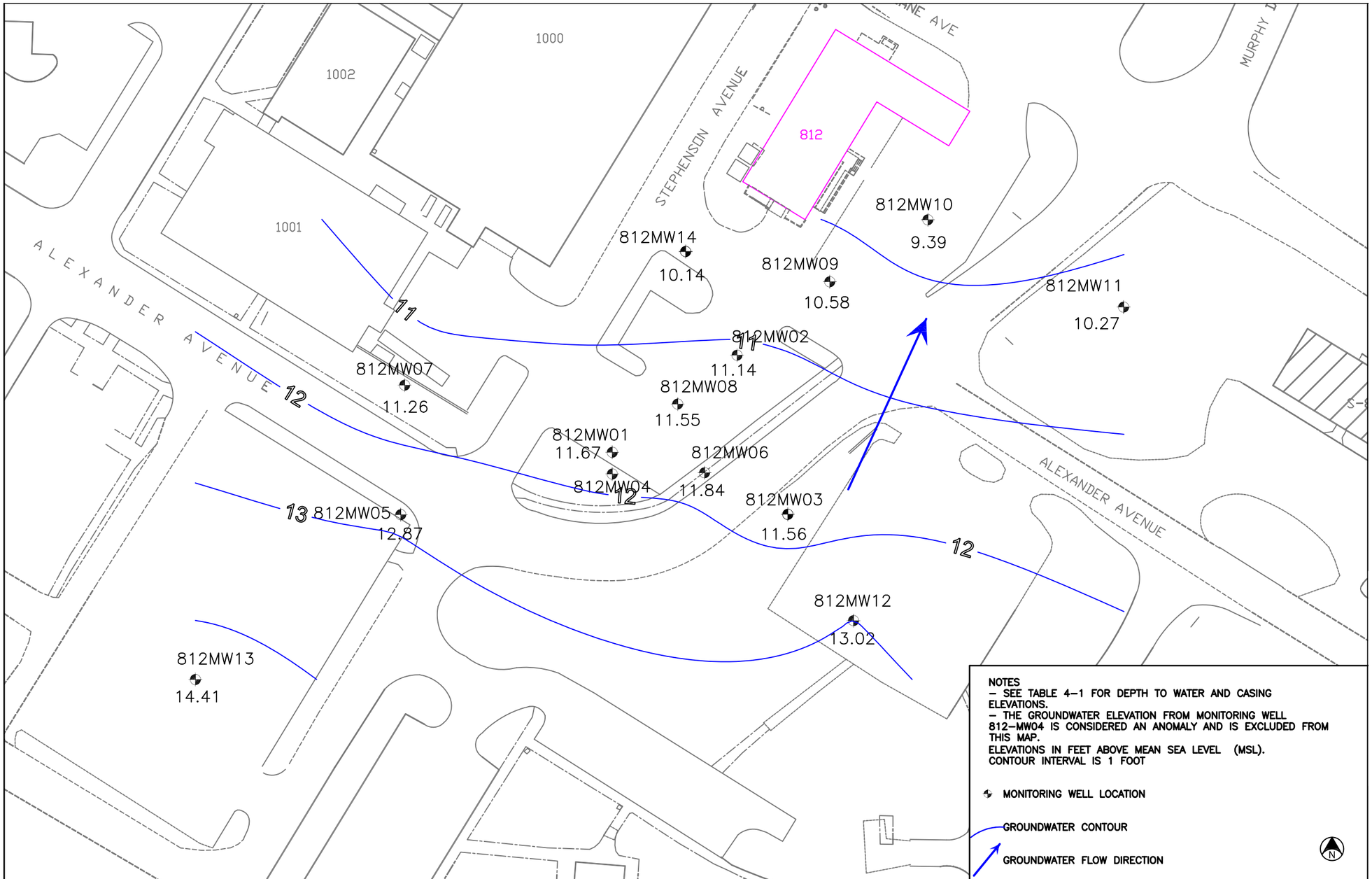
6. Has ground water mounding and/or depressions been identified in the ground water contour map? Yes___ No_X_. Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? Yes_X_ No___. If no, justify inclusion of those wells.

8. Were the ground water contours computer generated___, computer aided_X_, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contouring Program



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GROUND WATER CONTOUR MAP (OCTOBER 22, 2008)

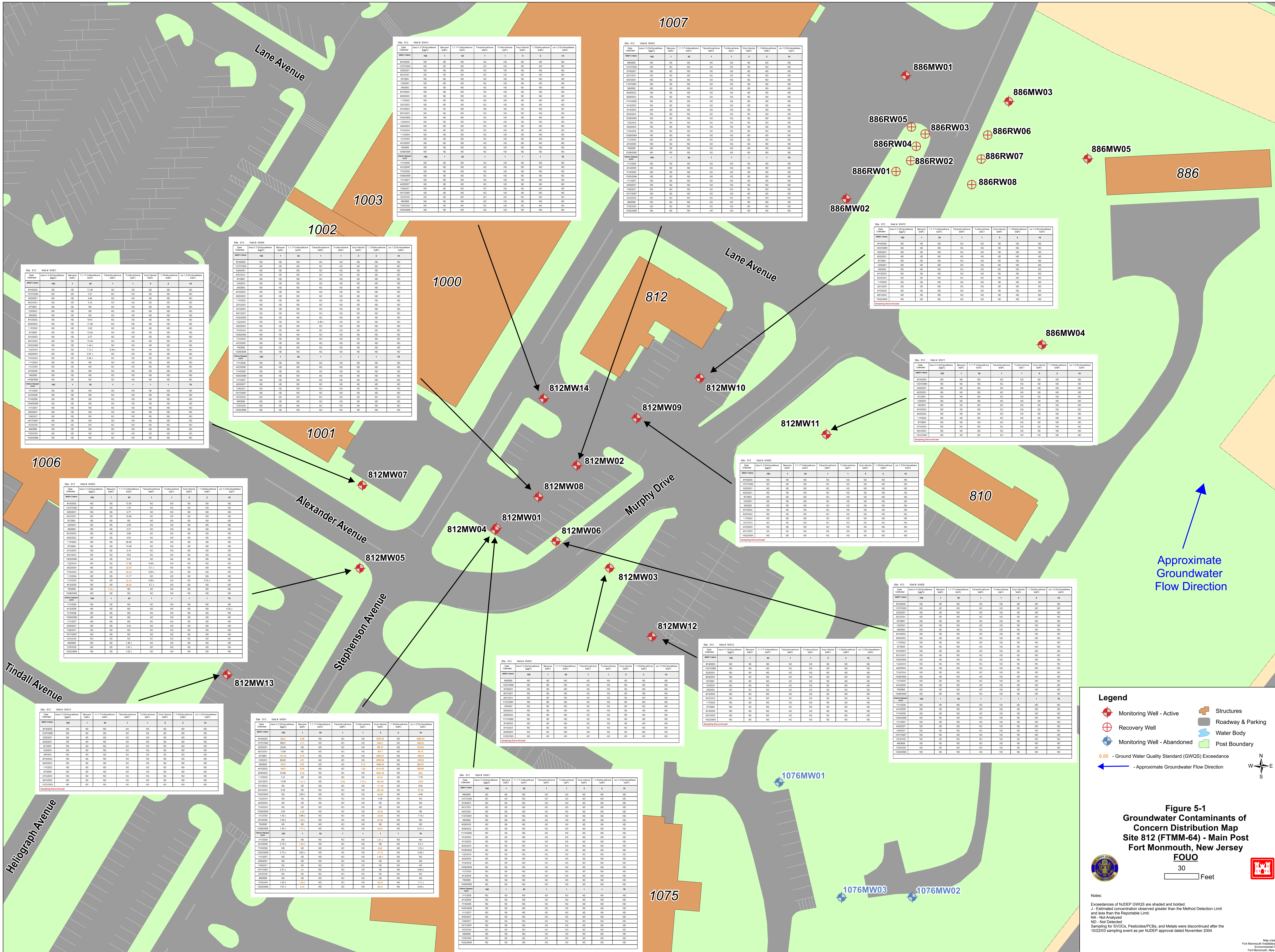
SITE 812
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

SCALE
0 15 30 60

DATE: 20–OCT–09

FIGURE NO.
4-21



Site: 812 Well #: MW14

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
2/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	NA	NA	ND	NA	NA	NA	ND	NA
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND
1/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
4/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2004	ND	ND	ND	ND	ND	ND	ND	ND
11/1/2004	ND	ND	ND	ND	ND	ND	ND	ND
1/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2008	ND	ND	ND	ND	ND	ND	ND	ND

Site: 812 Well #: MW02

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/9/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/18/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/21/2001	ND	ND	ND	ND	ND	ND	ND	ND
8/27/2001	ND	ND	ND	ND	ND	ND	ND	ND
11/27/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/6/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/28/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/28/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/14/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/14/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2003	ND	ND	ND	ND	ND	ND	ND	ND
1/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
4/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2004	ND	ND	ND	ND	ND	ND	ND	ND
10/28/2004	ND	ND	ND	ND	ND	ND	ND	ND
1/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2008	ND	ND	ND	ND	ND	ND	ND	ND

Site: 812 Well #: MW10

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
2/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Discontinued

Site: 812 Well #: MW08

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
2/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND
1/22/2004	ND	ND	ND	0.48 J	ND	ND	ND	ND
4/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2004	ND	ND	ND	ND	ND	ND	ND	ND
10/28/2004	ND	ND	ND	ND	ND	ND	ND	ND
1/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2008	ND	ND	ND	ND	ND	ND	ND	ND

Site: 812 Well #: MW07

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	11.29	ND	ND	ND	ND	ND
12/27/2000	ND	ND	2.91	ND	ND	ND	ND	ND
3/23/2001	ND	ND	4.49	ND	ND	ND	ND	ND
6/22/2001	ND	ND	3.24	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	18.81	ND	ND	ND	ND	ND
8/23/2002	ND	ND	11.38	ND	ND	ND	ND	ND
11/7/2002	ND	ND	5.26	ND	ND	ND	ND	ND
3/7/2003	ND	ND	12.84	ND	ND	ND	ND	ND
5/15/2003	ND	ND	2.37	ND	ND	ND	ND	ND
8/21/2003	ND	ND	15.54	ND	ND	ND	ND	ND
10/22/2003	ND	ND	1.44 J	ND	ND	ND	ND	ND
1/22/2004	NA	ND	1.12 J	0.44 J	NA	NA	ND	ND
4/22/2004	ND	ND	0.91 J	ND	ND	ND	ND	ND
7/14/2004	ND	ND	0.64 J	ND	ND	ND	ND	ND
11/1/2004	ND	ND	ND	ND	ND	ND	ND	ND
1/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2008	ND	ND	ND	ND	ND	ND	ND	ND

Site: 812 Well #: MW11

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/7/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Discontinued

Site: 812 Well #: MW09

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
2/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	NA	NA	ND	NA	NA	ND	ND	NA
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Discontinued

Site: 812 Well #: MW05

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	13.04	ND	ND	ND	ND	ND
12/27/2000	ND	ND	1.58	ND	ND	ND	ND	ND
3/23/2001	ND	ND	5.77	ND	ND	ND	ND	ND
6/22/2001	ND	ND	10.94	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	2.06	ND	ND	ND	ND	ND
2/8/2002	ND	ND	2.27	ND	ND	ND	ND	ND
6/13/2002	ND	ND	5.66	ND	ND	ND	ND	ND
8/23/2002	ND	ND	5.83	ND	ND	ND	ND	ND
11/7/2002	ND	ND	29.36	ND	ND	ND	ND	ND
3/7/2003	ND	ND	14.49	ND	ND	ND	ND	ND
5/15/2003	ND	ND	8.16	ND	ND	ND	ND	ND
8/21/2003	ND	ND	16.8	ND	ND	ND	ND	ND
10/22/2003	NA	ND	9.47	ND	NA	ND	ND	ND
1/22/2004	ND	ND	17.26	0.44 J	ND	ND	ND	ND
4/22/2004	ND	ND	**32.95**	0.7 J	ND	ND	ND	ND
7/14/2004	ND	ND	**38.23**	0.85 J	ND	ND	ND	ND
11/1/2004	ND	ND	11.17	ND	ND	ND	ND	ND
1/12/2005	ND	ND	**32.14**	0.68 J	ND	ND	0.54 J	ND
4/12/2005	ND	ND	**48.92**	0.7 J	ND	ND	ND	ND
7/6/2005	ND	**1.02 J**	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	0.25 J
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	3.03	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	1.49 J	ND	ND	ND	ND	ND
7/25/2008	ND	ND	1.62 J	ND	ND	ND	ND	ND
10/22/2008	ND	ND	1.02 J	ND	ND	ND	ND	ND

Site: 812 Well #: MW06

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/7/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND
1/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
4/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2004	ND	ND	ND	ND	ND	ND	ND	ND
10/28/2004	ND	ND	ND	ND	ND	ND	ND	ND
1/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2008	ND	ND	ND	ND	ND	ND	ND	ND

Site: 812 Well #: MW13

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/7/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Discontinued

Site: 812 Well #: MW03

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/9/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/18/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/21/2001	ND	ND	ND	ND	ND	ND	ND	ND
8/27/2001	ND	ND	ND	ND	ND	ND	ND	ND
11/27/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/6/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/28/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/28/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/14/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/14/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2003	NA	NA	ND	NA	NA	NA	ND	NA
10/20/2003	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Discontinued

Site: 812 Well #: MW12

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/23/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/22/2001	ND	ND	ND	ND	ND	ND	ND	ND
9/7/2001	ND	ND	ND	ND	ND	ND	ND	ND
12/3/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/8/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/13/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/23/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/7/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/7/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/21/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2003	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Discontinued

Site: 812 Well #: MW04

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/14/2000	**326.3**	**6.59**	ND	ND	ND	**4793.33**	ND	**5669.25**
12/27/2000	99.81	**4.17**	ND	ND	ND	**3304.1**	ND	**406.83**
3/23/2001	22.64	ND	ND	ND	ND	**355.91**	ND	**316.55**
6/22/2001	13.88	ND	ND	ND	ND	**547.7**	ND	**56.72**
9/7/2001	**101.33**	**6.75**	ND	ND	ND	**3299.91**	ND	**196.94**
12/3/2001	60.82	**3.51**	ND	ND	ND	**2255.66**	ND	**125.92**
2/8/2002	**159.6**	**5.87**	ND	ND	**2.14**	**4088.63**	ND	**864.87**
6/13/2002	**166.9**	**8.04**	ND	ND	**1.52**	**4114.45**	ND	**509.66**
8/23/2002	54.95	**5.43**	ND	ND	ND	**4451.45**	ND	**40.9**
11/7/2002	1.21	ND	ND	ND	ND	**61.91**	ND	7.76
2/21/2003	13.59	**1.41 J**	ND	**2.33**	**1.72 J**	**523.59**	ND	**178.9**
5/15/2003	ND	ND	ND	ND	ND	**111.93**	ND	6.84
8/21/2003	8.38	ND	ND	ND	ND	**321.42**	ND	**37.35**
10/22/2003	ND	0.58 J	ND	ND	ND	**44.28**	ND	4.58
1/22/2004	ND	ND	ND	ND	ND	4.06	ND	ND
4/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2004	ND	ND	ND	ND	ND	ND	ND	ND
10/28/2004	2.55	**3.28**	ND	ND	ND	**47.06**	ND	ND
1/12/2005	1.54 J	0.46 J	ND	ND	ND	**30.64**	ND	1.19 J
4/12/2005	1.03 J	**1.98 J**	ND	ND	ND	**31.84**	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	1.54 J	**1.77 J**	ND	ND	ND	**42.61**	ND	0.51 J
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	**1.31 J**	ND	ND
4/12/2006	0.75 J	**1.50 J**	ND	ND	ND	ND	ND	0.3 J
7/14/2006	ND	ND	ND	ND	ND	**8.82**	ND	1.22 J
10/25/2006	0.75 J	0.82 J	ND	ND	ND	**17.17**	ND	0.39 J
1/11/2007	ND	ND	ND	ND	ND	**1.98 J**	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	0.81 J	**2.6**	ND	ND	ND	ND	ND	0.66 J
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	1.05 J	**1.49 J**	ND	ND	ND	**22.47**	ND	1.11 J
10/22/2008	1.07 J	**2.19**	ND	ND	ND	**40.41**	ND	0.44 J

Site: 812 Well #: MW01

Date Collected	trans-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	1,1,1-Trichloroethane (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
NJDEP Criteria	100	1	30	1	1	5	2	10
9/9/2000	ND	ND	ND	ND	ND	ND	ND	ND
12/27/2000	ND	ND	ND	ND	ND	ND	ND	ND
3/18/2001	ND	ND	ND	ND	ND	ND	ND	ND
6/21/2001	ND	ND	ND	ND	ND	ND	ND	ND
8/27/2001	ND	ND	ND	ND	ND	ND	ND	ND
11/27/2001	ND	ND	ND	ND	ND	ND	ND	ND
2/6/2002	ND	ND	ND	ND	ND	ND	ND	ND
6/28/2002	ND	ND	ND	ND	ND	ND	ND	ND
8/28/2002	ND	ND	ND	ND	ND	ND	ND	ND
11/14/2002	ND	ND	ND	ND	ND	ND	ND	ND
3/14/2003	ND	ND	ND	ND	ND	ND	ND	ND
5/15/2003	ND	ND	ND	ND	ND	ND	ND	ND
8/20/2003	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2003	ND	ND	ND	ND	ND	ND	ND	ND
1/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
4/22/2004	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2004	ND	ND	ND	ND	ND	ND	ND	ND
10/28/2004	ND	ND	ND	ND	ND	ND	ND	ND
1/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2005	ND	ND	ND	ND	ND	ND	ND	ND
7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2005	ND	ND	ND	ND	ND	ND	ND	ND
Criteria Changed 11/05	100	1	30	1	1	1	1	70
1/11/2006	ND	ND	ND	ND	ND	ND	ND	ND
4/12/2006	ND	ND	ND	ND	ND	ND	ND	ND
7/14/2006	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2006	ND	ND	ND	ND	ND	ND	ND	ND
1/11/2007	ND	ND	ND	ND	ND	ND	ND	ND
4/30/2007	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2007	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2007	ND	ND	ND	ND	ND	ND	ND	ND
2/20/2008	ND	ND	ND	ND	ND	ND	ND	ND
4/9/2008	ND	ND	ND	ND	ND	ND	ND	ND
7/25/2008	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2008	ND	ND	ND	ND	ND	ND	ND	ND

Legend

- Monitoring Well - Active
- Recovery Well
- Monitoring Well - Abandoned
- Structures
- Roadway & Parking
- Water Body
- Post Boundary

0.00 - Ground Water Quality Standard (GWQS) Exceedance

- Approximate Groundwater Flow Direction

N E S W

Figure 5-1
Groundwater Contaminants of Concern Distribution Map
Site 812 (FTMM-64) - Main Post
Fort Monmouth, New Jersey
FOUO

30 Feet

Notes:

Exceedances of NJDEP GWQS are shaded and bolded.
J - Estimated concentration observed greater than the Method Detection Limit and less than the Reportable Limit.
NA - Not Analyzed
ND - Not Detected
Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated November 2004

Map created by:
Fort Monmouth Installation GIO,
Environmental Division
Fort Monmouth, New Jersey
Date: September 27, 2010
New Jersey State Plane Feet, NAD83

September 27, 2010 X:\GIS\GIS Maps\JT\Groundwater Contaminant Maps\Groundwater Historic\812\Site 812 Groundwater Contamination Distribution.mxd

FIGURE 5-2A
Benzene Concentrations vs Time at 812MW04
3rd Quarter 2001 through 4th Quarter 2008
Site 812
Fort Monmouth, New Jersey

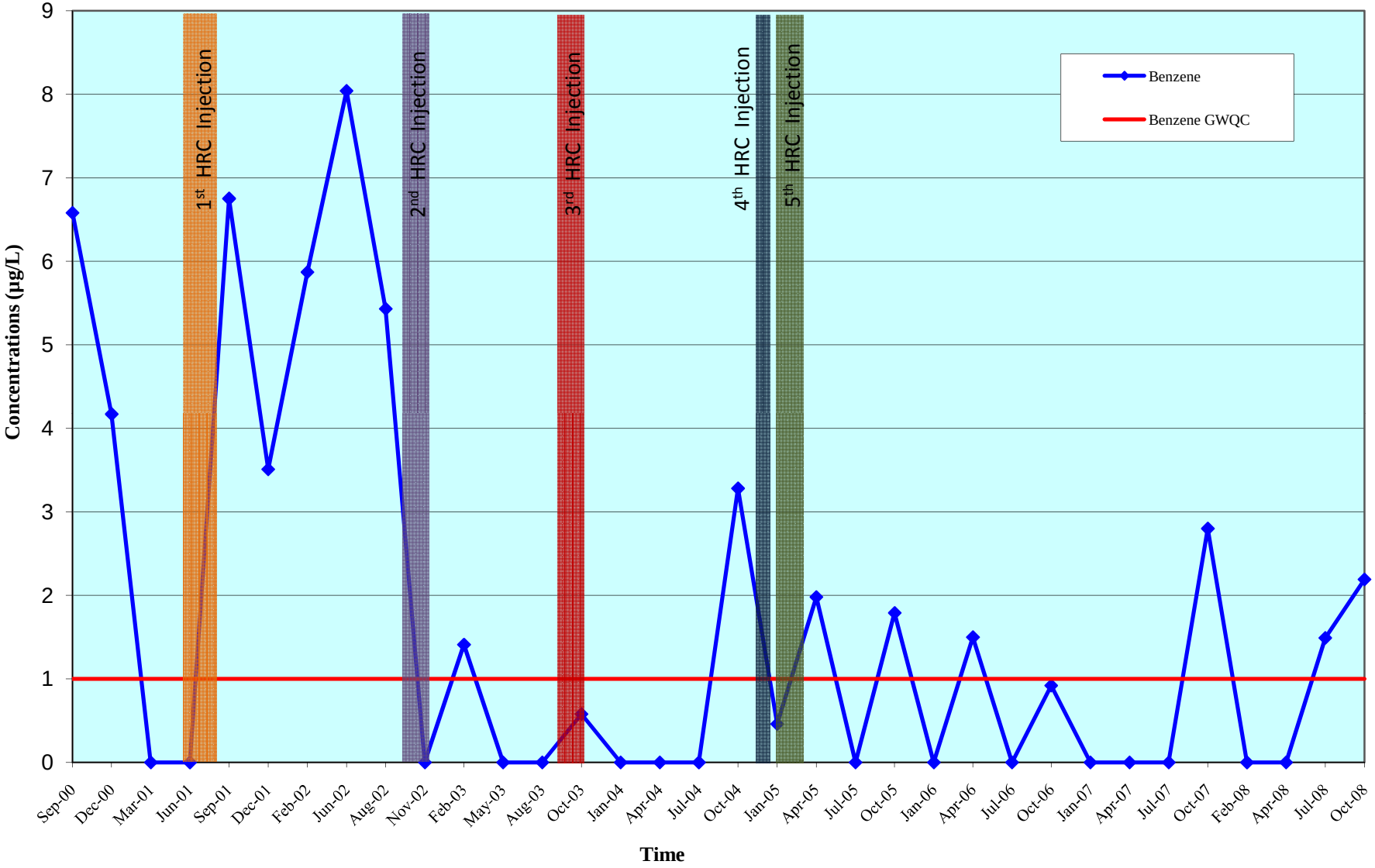


FIGURE 5-2B
Vinyl Chloride Concentrations vs Time at 812MW04
2nd Quarter 2001 through 4th Quarter 2008
Site 812
Fort Monmouth, New Jersey

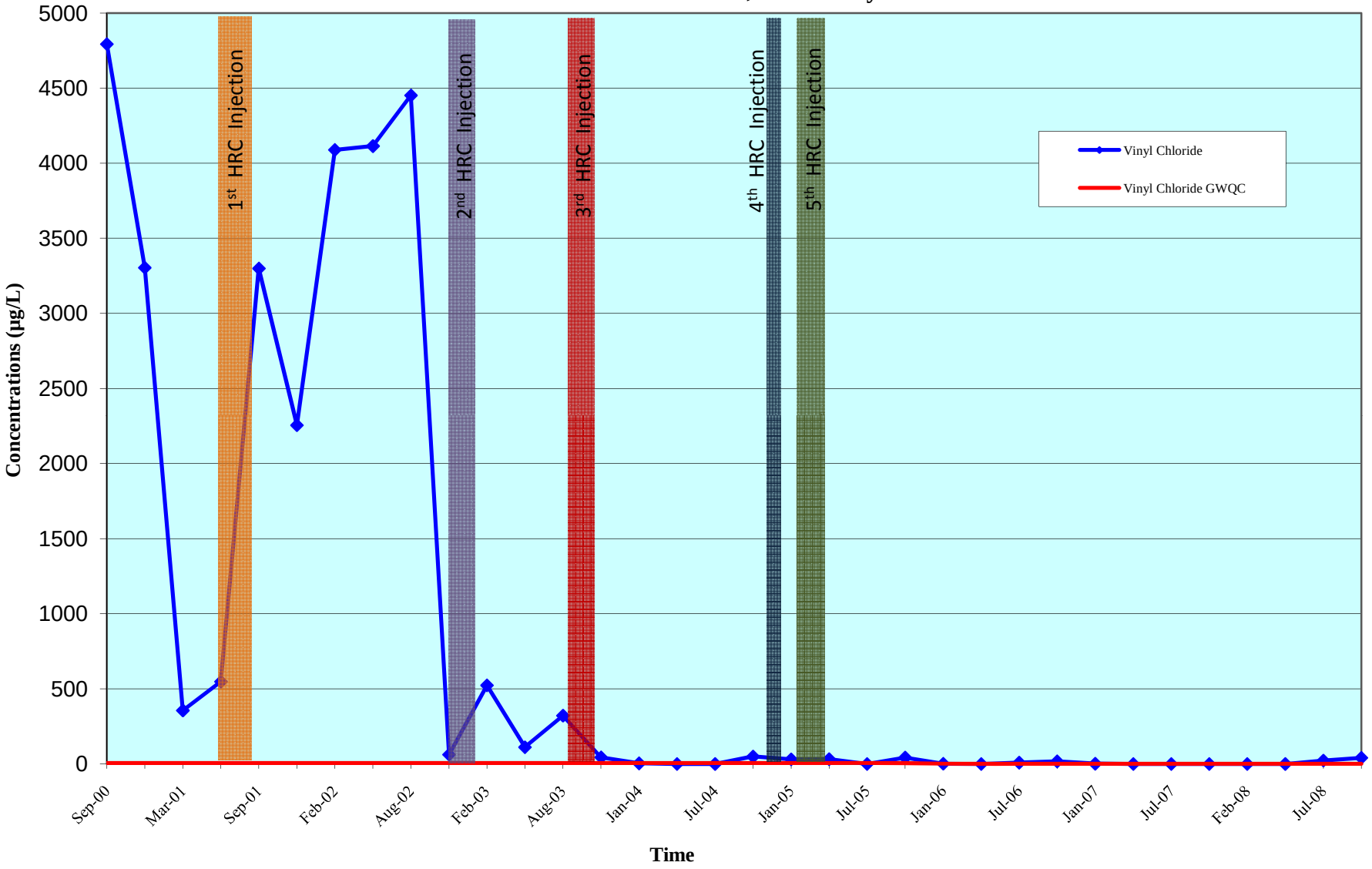
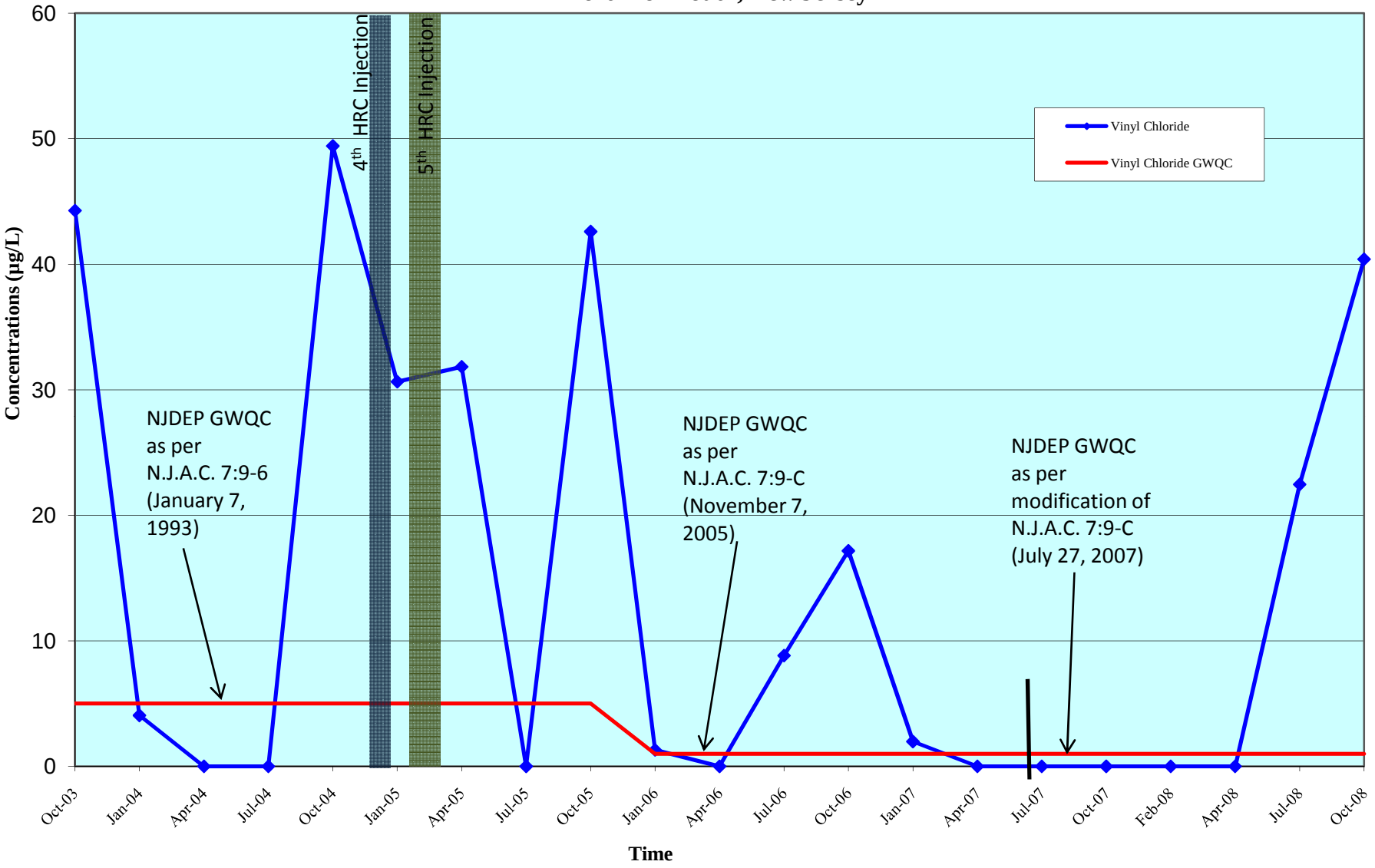


FIGURE 5-2C
Vinyl Chloride Concentrations vs Time at 812MW04
4th Quarter 2003 through 4th Quarter 2008
Site 812
Fort Monmouth, New Jersey



TABLES

Table 4-1
Ground Water Elevation Summary
Site 812 (FTMM-64)
Fort Monmouth, New Jersey

Ground Water Sampling Round			#14			#15			#16			#17		
Well ID	Total Depth of Well (ft)	TOC(1)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)
812MW01	48.62	20.14	10/20/03	8.52	11.62	01/22/04	8.21	11.93	04/22/04	7.20	12.94	07/14/04	7.85	12.29
812MW02	47.91	17.47	10/20/03	6.14	11.33	01/22/04	5.76	11.71	04/22/04	3.10	14.37	07/14/04	6.27	11.20
812MW03	46.81	18.16	10/20/03	6.31	11.85	01/22/04	6.32	11.84	04/22/04	5.51	12.65	07/14/04	6.31	11.85
812MW04*	6.62	20.48	10/22/03	4.00	16.48	01/22/04	3.80	16.68	04/22/04	2.20	18.28	07/14/04	2.81	17.67
812MW05	17.59	22.73	10/22/03	9.75	12.98	01/22/04	8.78	13.95	04/22/04	9.48	13.25	07/14/04	8.89	13.84
812MW06	15.00	19.27	10/22/03	7.56	11.71	01/22/04	6.94	12.33	04/22/04	6.22	13.05	07/14/04	6.82	12.45
812MW07	17.31	21.69	10/22/03	10.75	10.94	01/22/04	11.11	10.58	04/22/04	7.88	13.81	07/14/04	9.90	11.79
812MW08	15.26	18.22	10/22/03	6.58	11.64	01/22/04	6.35	11.87	04/22/04	5.75	12.47	07/14/04	6.24	11.98
812MW09	15.60	16.07	10/22/03	6.08	9.99	01/22/04	5.77	10.30	04/22/04	9.11	6.96	07/14/04	8.89	7.18
812MW10	15.31	15.51	10/22/03	6.91	8.60	01/22/04	6.89	8.62	04/22/04	6.30	9.21	07/14/04	5.93	9.58
812MW11	14.55	15.11	10/22/03	5.50	9.61	01/22/04	5.13	9.98	04/22/04	4.75	10.36	07/14/04	4.30	10.81
812MW12	15.31	17.20	10/22/03	3.95	13.25	01/22/04	3.45	13.75	04/22/04	3.49	13.71	07/14/04	3.17	14.03
812MW13	18.55	25.24	10/22/03	10.40	14.84	01/22/04	9.15	16.09	04/22/04	8.20	17.04	07/14/04	7.63	17.61
812MW14	14.65	17.52	10/22/03	8.38	9.14	01/22/04	7.92	9.60	04/22/04	7.20	10.32	07/14/04	7.51	10.01

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water (DTW) is collected on multiple days.
(3) DTW in feet from TOC.
(4) Ground Water elevation in feet above mean sea level (msl).
*Anomalous results.
NM = Not Measured

Table 4-1
Ground Water Elevation Summary
Site 812 (FTMM-64)
Fort Monmouth, New Jersey

Ground Water Sampling Round			#18			#19			#20			#21		
Well ID	Total Depth of Well (ft)	TOC(1)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)
812MW01	48.62	20.14	10/28/04	8.16	11.98	01/12/05	7.91	12.23	04/12/05	7.01	13.13	07/06/05	7.83	12.31
812MW02	47.91	17.47	10/28/04	6.43	11.04	01/12/05	6.08	11.39	04/12/05	5.05	12.42	07/06/05	6.30	11.17
812MW03	46.81	18.16	10/28/04	6.44	11.72	NM	NM	NM	04/12/05	6.63	11.53	07/06/05	5.76	12.40
812MW04*	6.62	20.48	10/28/04	4.49	15.99	01/12/05	0.08	20.40	04/12/05	1.62	18.86	07/06/05	2.92	17.56
812MW05	17.59	22.73	10/28/04	9.70	13.03	01/12/05	8.72	14.01	04/12/05	7.89	14.84	07/06/05	8.81	13.92
812MW06	15.00	19.27	10/28/04	7.49	11.78	01/12/05	6.73	12.54	04/12/05	6.07	13.20	07/06/05	6.80	12.47
812MW07	17.31	21.69	10/28/04	10.63	11.06	01/12/05	10.00	11.69	04/12/05	9.27	12.42	07/06/05	9.96	11.73
812MW08	15.26	18.22	10/28/04	6.77	11.45	01/12/05	6.11	12.11	04/12/05	5.78	12.44	07/06/05	6.14	12.08
812MW09	15.60	16.07	10/28/04	6.37	9.70	NM	NM	NM	04/12/05	5.19	10.88	07/06/05	5.49	10.58
812MW10	15.31	15.51	10/28/04	6.31	9.20	NM	NM	NM	04/12/05	6.31	9.20	07/06/05	6.37	9.14
812MW11	14.55	15.11	10/28/04	4.27	10.84	NM	NM	NM	04/12/05	4.42	10.69	07/06/05	4.98	10.13
812MW12	15.31	17.20	10/28/04	4.11	13.09	NM	NM	NM	04/12/05	3.27	13.93	07/06/05	3.64	13.56
812MW13	18.55	25.24	10/28/04	7.77	17.47	NM	NM	NM	04/12/05	7.81	17.43	07/06/05	9.28	15.96
812MW14	14.65	17.52	10/28/04	8.15	9.37	01/12/05	7.53	9.99	04/12/05	7.12	10.40	07/06/05	7.45	10.07

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water (DTW) is collected on multiple days.
(3) DTW in feet from TOC.
(4) Ground Water elevation in feet above mean sea level (msl).
*Anomalous results.
NM = Not Measured

Table 4-1
Ground Water Elevation Summary
Site 812 (FTMM-64)
Fort Monmouth, New Jersey

Ground Water Sampling Round			#22			#23			#24			#25		
Well ID	Total Depth of Well (ft)	TOC(1)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)
812MW01	48.62	20.14	10/26/05	8.17	11.97	01/11/06	7.06	13.08	04/12/06	7.32	12.82	07/14/06	7.59	12.55
812MW02	47.91	17.47	10/26/05	5.58	11.89	01/11/06	4.98	12.49	04/12/06	5.82	11.65	07/14/06	5.91	11.56
812MW03	46.81	18.16	10/26/05	5.92	12.24	01/11/06	5.36	12.80	04/12/06	5.51	12.65	07/14/06	5.58	12.58
812MW04*	6.62	20.48	10/26/05	0.64	19.84	01/11/06	2.42	18.06	04/12/06	3.75	16.73	07/14/06	3.33	17.15
812MW05	17.59	22.73	10/26/05	7.95	14.78	01/11/06	7.76	14.97	04/12/06	8.51	14.22	07/14/06	8.65	14.08
812MW06	15.00	19.27	10/26/05	6.03	13.24	01/11/06	5.97	13.30	04/12/06	6.68	12.59	07/14/06	6.60	12.67
812MW07	17.31	21.69	10/26/05	9.17	12.52	01/11/06	9.10	12.59	04/12/06	9.83	11.86	07/14/06	9.72	11.97
812MW08	15.26	18.22	10/26/05	5.51	12.71	01/11/06	5.62	12.60	04/12/06	5.96	12.26	07/14/06	6.02	12.20
812MW09	15.60	16.07	10/26/05	5.32	10.75	01/11/06	4.97	11.10	04/12/06	5.26	10.81	07/14/06	5.08	10.99
812MW10	15.31	15.51	10/26/05	5.58	9.93	01/11/06	5.03	10.48	04/12/06	6.41	9.10	07/14/06	5.86	9.65
812MW11	14.55	15.11	10/26/05	3.62	11.49	01/11/06	4.02	11.09	04/12/06	5.07	10.04	07/14/06	4.76	10.35
812MW12	15.31	17.20	10/26/05	3.11	14.09	01/11/06	2.79	14.41	04/12/06	2.94	14.26	07/14/06	3.33	13.87
812MW13	18.55	25.24	10/26/05	8.86	16.38	01/11/06	7.88	17.36	04/12/06	8.68	16.56	07/14/06	9.21	16.03
812MW14	14.65	17.52	10/26/05	6.36	11.16	01/11/06	6.76	10.76	04/12/06	7.30	10.22	07/14/06	7.05	10.47

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water (DTW) is collected on multiple days.
(3) DTW in feet from TOC.
(4) Ground Water elevation in feet above mean sea level (msl).
*Anomalous results.
NM = Not Measured

Table 4-1
Ground Water Elevation Summary
Site 812 (FTMM-64)
Fort Monmouth, New Jersey

Ground Water Sampling Round			#26			#27			#28			#29		
Well ID	Total Depth of Well (ft)	TOC(1)	Date (2)	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)
812MW01	48.62	20.14	10/25/06	7.80	12.34	01/11/07	7.30	12.84	04/30/07	7.33	12.81	07/24/07	7.39	12.75
812MW02	47.91	17.47	10/25/06	6.09	11.38	01/11/07	5.16	12.31	04/30/07	4.83	12.64	07/24/07	5.59	11.88
812MW03	46.81	18.16	10/25/06	5.43	12.73	01/11/07	5.25	12.91	04/30/07	4.58	13.58	07/24/07	5.56	12.60
812MW04*	6.62	20.48	10/25/06	3.02	17.46	01/11/07	2.35	18.13	04/30/07	1.82	18.66	07/24/07	1.53	18.95
812MW05	17.59	22.73	10/26/06	8.81	13.92	01/11/07	7.91	14.82	04/30/07	7.20	15.53	07/24/07	8.69	14.04
812MW06	15.00	19.27	10/25/06	6.58	12.69	01/11/07	6.12	13.15	04/30/07	5.58	13.69	07/24/07	6.56	12.71
812MW07	17.31	21.69	10/26/06	9.76	11.93	01/11/07	9.28	12.41	04/30/07	8.72	12.97	07/24/07	9.73	11.96
812MW08	15.26	18.22	10/25/06	5.59	12.63	01/11/07	5.73	12.49	04/30/07	5.44	12.78	07/24/07	5.76	12.46
812MW09	15.60	16.07	10/25/06	5.15	10.92	01/11/07	4.88	11.19	04/30/07	4.72	11.35	07/24/07	5.04	11.03
812MW10	15.31	15.51	10/25/06	5.46	10.05	01/11/07	5.67	9.84	04/30/07	5.71	9.80	07/24/07	5.90	9.61
812MW11	14.55	15.11	10/25/06	3.99	11.12	01/11/07	4.01	11.10	04/30/07	3.86	11.25	07/24/07	4.02	11.09
812MW12	15.31	17.20	10/25/06	3.42	13.78	01/11/07	3.15	14.05	04/30/07	2.72	14.48	07/24/07	3.07	14.13
812MW13	18.55	25.24	10/25/06	9.48	15.76	01/11/07	8.59	16.65	04/30/07	7.31	17.93	07/24/07	9.35	15.89
812MW14	14.65	17.52	10/26/06	6.96	10.56	01/11/07	6.56	10.96	04/30/07	6.28	11.24	07/24/07	6.86	10.66

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water (DTW) is collected on multiple days.
(3) DTW in feet from TOC.
(4) Ground Water elevation in feet above mean sea level (msl).
*Anomalous results.
NM = Not Measured

Table 4-1
Ground Water Elevation Summary
Site 812 (FTMM-64)
Fort Monmouth, New Jersey

Ground Water Sampling Round			#30			#31			#32			#33		
Well ID	Total Depth of Well (ft)	TOC(1)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)	Date	Depth to Water(3)	Ground Water Elevation(4)
812MW01	48.62	20.14	10/17/07	7.96	12.18	02/20/08	7.63	12.51	04/09/08	7.76	12.38	07/25/08	8.01	12.13
812MW02	47.91	17.47	10/17/07	6.48	10.99	02/20/08	6.02	11.45	04/09/08	5.63	11.84	07/25/08	6.23	11.24
812MW03	46.81	18.16	10/17/07	6.11	12.05	02/20/08	5.86	12.30	04/09/08	5.23	12.93	07/25/08	6.14	12.02
812MW04*	6.62	20.48	10/17/07	4.56	15.92	02/20/08	2.12	18.36	04/09/08	2.87	17.61	07/25/08	4.00	16.48
812MW05	17.59	22.73	10/17/07	9.47	13.26	02/20/08	8.29	14.44	04/09/08	8.32	14.41	07/25/08	9.22	13.51
812MW06	15.00	19.27	10/17/07	7.14	12.13	02/20/08	6.33	12.94	04/09/08	6.36	12.91	07/25/08	6.96	12.31
812MW07	17.31	21.69	10/17/07	10.22	11.47	02/20/08	9.50	12.19	04/09/08	9.54	12.15	07/25/08	10.02	11.67
812MW08	15.26	18.22	10/17/07	6.39	11.83	02/20/08	5.70	12.52	04/09/08	5.90	12.32	07/25/08	6.22	12.00
812MW09	15.60	16.07	10/17/07	5.18	10.89	02/20/08	4.91	11.16	04/09/08	5.06	11.01	07/25/08	5.21	10.86
812MW10	15.31	15.51	10/17/07	6.04	9.47	02/20/08	5.98	9.53	04/09/08	5.95	9.56	07/25/08	5.86	9.65
812MW11	14.55	15.11	10/17/07	5.01	10.10	02/20/08	4.15	10.96	04/09/08	4.58	10.53	07/25/08	5.01	10.10
812MW12	15.31	17.20	10/17/07	3.74	13.46	02/20/08	3.33	13.87	04/09/08	3.26	13.94	07/25/08	3.80	13.40
812MW13	18.55	25.24	10/17/07	10.31	14.93	02/20/08	9.08	16.16	04/09/08	8.76	16.48	07/25/08	9.98	15.26
812MW14	14.65	17.52	10/17/07	7.32	10.20	02/20/08	6.72	10.80	04/09/08	6.85	10.67	07/25/08	7.11	10.41

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water (DTW) is collected on multiple days.
(3) DTW in feet from TOC.
(4) Ground Water elevation in feet above mean sea level (msl).
*Anomalous results.
NM = Not Measured

Table 4-1
Ground Water Elevation Summary
Site 812 (FTMM-64)
Fort Monmouth, New Jersey

Ground Water Sampling Round #34

Well ID	Total Depth of Well (ft)	TOC(1)	Date	Depth to Water(3)	Ground Water Elevation(4)
812MW01	48.62	20.14	10/22/08	8.47	11.67
812MW02	47.91	17.47	10/22/08	6.33	11.14
812MW03	46.81	18.16	10/22/08	6.60	11.56
812MW04*	6.62	20.48	10/22/08	4.35	16.13
812MW05	17.59	22.73	10/22/08	9.86	12.87
812MW06	15.00	19.27	10/22/08	7.43	11.84
812MW07	17.31	21.69	10/22/08	10.43	11.26
812MW08	15.26	18.22	10/22/08	6.67	11.55
812MW09	15.60	16.07	10/22/08	5.49	10.58
812MW10	15.31	15.51	10/22/08	6.12	9.39
812MW11	14.55	15.11	10/22/08	4.84	10.27
812MW12	15.31	17.20	10/22/08	4.18	13.02
812MW13	18.55	25.24	10/22/08	10.83	14.41
812MW14	14.65	17.52	10/22/08	7.38	10.14

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water (DTW) is collected on multiple days.
(3) DTW in feet from TOC.
(4) Ground Water elevation in feet above mean sea level (msl).
*Anomalous results.
NM = Not Measured

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#1	812MW01	5701.03	9/11/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	5701.04	9/11/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	5701.05	9/11/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	5710.04	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	5710.05	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	5710.06	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	5710.07	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	5710.08	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	5710.09	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	5710.10	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	5710.11	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	5710.12	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	5710.13	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	5710.14	9/14/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#2	812MW01	5924.04	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	5924.05	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	5924.06	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	5924.07	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	5924.08	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	5924.09	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	5924.10	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	5924.11	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	5924.12	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	5924.13	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	5924.14	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	5924.15	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	5924.16	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	5924.17	12/27/2000	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#3	812MW01	16006.04	3/16/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	16006.05	3/16/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	16006.06	3/16/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	16012.04	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	16012.05	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	16012.06	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	16012.07	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	16012.08	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	16012.09	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	16012.10	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	16012.11	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	16012.12	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	16012.13	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	16012.14	3/23/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#4	812MW01	16201.04	6/21/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	16201.05	6/21/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	16201.06	6/21/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	16205.04	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	16205.05	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	16205.06	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	16205.07	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	16205.08	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	16205.09	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	16205.10	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	16205.11	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	16205.12	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	16205.13	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	16205.14	6/22/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#5	812MW01	16386.04	8/27/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	16386.05	8/27/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	16386.06	8/27/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	16419.04	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	16419.05	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	16419.06	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	16419.07	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	16419.08	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	16419.09	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	16419.10	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	16419.11	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	16419.12	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	16419.13	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	16419.14	9/7/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#6	812MW01	16613.01	11/27/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	16613.02	11/27/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	16613.03	11/27/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	16619.04	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	16619.05	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	16619.06	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	16619.07	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	16619.08	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	16619.09	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	16619.10	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	16619.11	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	16619.12	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	16619.13	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	16619.14	12/3/2001	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#7	812MW01	20079.04	2/6/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	20079.05	2/6/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	20079.06	2/6/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	20083.04	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	20083.05	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	20083.06	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	20083.07	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	20083.08	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	20083.09	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	20083.10	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	20083.11	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	20083.12	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	20083.13	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	20083.14	2/8/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#8	812MW01	20406.04	6/28/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	20406.05	6/28/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	20406.06	6/28/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	20365.04	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	20365.05	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	20365.06	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	20365.07	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	20365.08	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	20365.09	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	20365.10	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	20365.11	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	20365.12	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	20365.13	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	20365.14	6/13/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#9	812MW01	20619.04	8/28/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	20619.05	8/28/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	20619.06	8/28/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	20608.04	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	20608.05	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	20608.06	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	20608.07	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	20608.08	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	20608.09	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	20608.10	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	20608.11	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	20608.12	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	20608.13	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	20608.14	8/23/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#10	812MW01	20814.01	11/14/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	20814.02	11/14/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	20814.03	11/14/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	20792.04	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	20792.05	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	20792.06	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	20792.07	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	20792.08	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	20792.09	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	20792.10	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	20792.11	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	20792.12	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	20792.13	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	20792.14	11/7/2002	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#11	812MW01	30120.04	3/14/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	30120.05	3/14/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	30120.06	3/14/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	30075.08	2/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	30101.04	3/7/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	30101.05	3/7/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	30101.06	3/7/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	30075.07	2/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	30075.05	2/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	30075.04	2/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	30101.07	3/7/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	30101.08	3/7/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	30101.09	3/7/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	30075.06	2/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#12	812MW01	30227.15	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	30227.16	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	30227.17	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	30227.04	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	30227.05	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	30227.06	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	30227.07	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	30227.08	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	30227.09	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	30227.10	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	30227.11	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	30227.12	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	30227.13	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	30227.14	5/15/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#13	812MW01	30528.01	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	30528.02	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	30528.03	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	30532.04	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	30532.05	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	30532.06	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	30532.07	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	30532.08	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	30532.09	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	30532.10	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	30532.11	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	30532.12	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	30532.13	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	30532.14	8/21/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
#14	812MW01	30665.04	10/20/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW02	30665.05	10/20/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW03	30665.06	10/20/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW04	30672.04	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW05	30672.05	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW06	30672.06	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW07	30672.07	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW08	30672.08	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW09	30672.09	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW10	30672.10	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW11	30672.11	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW12	30672.12	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW13	30672.13	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)
	812MW14	30672.14	10/22/2003	Aqueous	VOCs, SVOCs, Pest/PCBs, Metals	Methods 624, 625, 608, 3120 & 3112 (mercury)

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#15	812MW01	40057.04	1/22/2004	Aqueous	VOCs	Method 624
	812MW02	40057.05	1/22/2004	Aqueous	VOCs	Method 624
	812MW04	40057.06	1/22/2004	Aqueous	VOCs	Method 624
	812MW05	40057.07	1/22/2004	Aqueous	VOCs	Method 624
	812MW06	40057.08	1/22/2004	Aqueous	VOCs	Method 624
	812MW07	40057.09	1/22/2004	Aqueous	VOCs	Method 624
	812MW08	40057.10	1/22/2004	Aqueous	VOCs	Method 624
	812MW14	40057.11	1/22/2004	Aqueous	VOCs	Method 624
#16	812MW01	40280.04	4/22/2004	Aqueous	VOCs	Method 624
	812MW02	40280.05	4/22/2004	Aqueous	VOCs	Method 624
	812MW04	40280.06	4/22/2004	Aqueous	VOCs	Method 624
	812MW05	40280.07	4/22/2004	Aqueous	VOCs	Method 624
	812MW06	40280.08	4/22/2004	Aqueous	VOCs	Method 624
	812MW07	40280.09	4/22/2004	Aqueous	VOCs	Method 624
	812MW08	40280.10	4/22/2004	Aqueous	VOCs	Method 624
	812MW14	40280.11	4/22/2004	Aqueous	VOCs	Method 624
#17	812MW01	40520.04	7/14/2004	Aqueous	VOCs	Method 624
	812MW02	40520.05	7/14/2004	Aqueous	VOCs	Method 624
	812MW04	40520.06	7/14/2004	Aqueous	VOCs	Method 624
	812MW05	40520.07	7/14/2004	Aqueous	VOCs	Method 624
	812MW06	40520.08	7/14/2004	Aqueous	VOCs	Method 624
	812MW07	40520.09	7/14/2004	Aqueous	VOCs	Method 624
	812MW08	40520.10	7/14/2004	Aqueous	VOCs	Method 624
	812MW14	40520.11	7/14/2004	Aqueous	VOCs	Method 624
#18	812MW01	40751.05	10/28/2004	Aqueous	VOCs	Method 624
	812MW02	40751.08	10/28/2004	Aqueous	VOCs	Method 624
	812MW04	40751.04	10/28/2004	Aqueous	VOCs	Method 624
	812MW05	40758.01	11/1/2004	Aqueous	VOCs	Method 624
	812MW06	40751.06	10/28/2004	Aqueous	VOCs	Method 624
	812MW07	40758.02	11/1/2004	Aqueous	VOCs	Method 624
	812MW08	40751.07	10/28/2004	Aqueous	VOCs	Method 624
	812MW14	40758.03	10/28/2004	Aqueous	VOCs	Method 624

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#19	812MW01	50019.04	1/12/2005	Aqueous	VOCs	Method 624
	812MW02	50019.05	1/12/2005	Aqueous	VOCs	Method 624
	812MW04	50019.06	1/12/2005	Aqueous	VOCs	Method 624
	812MW05	50019.07	1/12/2005	Aqueous	VOCs	Method 624
	812MW06	50019.08	1/12/2005	Aqueous	VOCs	Method 624
	812MW07	50019.09	1/12/2005	Aqueous	VOCs	Method 624
	812MW08	50019.10	1/12/2005	Aqueous	VOCs	Method 624
	812MW14	50019.11	1/12/2005	Aqueous	VOCs	Method 624
#20	812MW01	50198.04	4/12/2005	Aqueous	VOCs	Method 624
	812MW02	50198.05	4/12/2005	Aqueous	VOCs	Method 624
	812MW04	50198.06	4/12/2005	Aqueous	VOCs	Method 624
	812MW05	50198.07	4/12/2005	Aqueous	VOCs	Method 624
	812MW06	50198.08	4/12/2005	Aqueous	VOCs	Method 624
	812MW07	50198.09	4/12/2005	Aqueous	VOCs	Method 624
	812MW08	50198.10	4/12/2005	Aqueous	VOCs	Method 624
	812MW14	50198.11	4/12/2005	Aqueous	VOCs	Method 624
#21	812MW01	50337.04	7/6/2005	Aqueous	VOCs	Method 624
	812MW02	50337.05	7/6/2005	Aqueous	VOCs	Method 624
	812MW04	50337.06	7/6/2005	Aqueous	VOCs	Method 624
	812MW05	50337.07	7/6/2005	Aqueous	VOCs	Method 624
	812MW06	50337.08	7/6/2005	Aqueous	VOCs	Method 624
	812MW07	50337.09	7/6/2005	Aqueous	VOCs	Method 624
	812MW08	50337.10	7/6/2005	Aqueous	VOCs	Method 624
	812MW14	50337.11	7/6/2005	Aqueous	VOCs	Method 624
#22	812MW01	50553.04	10/26/2005	Aqueous	VOCs	Method 624
	812MW02	50553.05	10/26/2005	Aqueous	VOCs	Method 624
	812MW04	50553.06	10/26/2005	Aqueous	VOCs	Method 624
	812MW05	50553.07	10/26/2005	Aqueous	VOCs	Method 624
	812MW06	50553.08	10/26/2005	Aqueous	VOCs	Method 624
	812MW07	50553.09	10/26/2005	Aqueous	VOCs	Method 624
	812MW08	50553.10	10/26/2005	Aqueous	VOCs	Method 624
	812MW14	50553.11	10/26/2005	Aqueous	VOCs	Method 624

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#23	812MW01	60025.04	1/11/2006	Aqueous	VOCs	Method 624
	812MW02	60025.05	1/11/2006	Aqueous	VOCs	Method 624
	812MW04	60025.06	1/11/2006	Aqueous	VOCs	Method 624
	812MW05	60025.07	1/11/2006	Aqueous	VOCs	Method 624
	812MW06	60025.08	1/11/2006	Aqueous	VOCs	Method 624
	812MW07	60025.09	1/11/2006	Aqueous	VOCs	Method 624
	812MW08	60025.10	1/11/2006	Aqueous	VOCs	Method 624
	812MW14	60025.11	1/11/2006	Aqueous	VOCs	Method 624
#24	812MW01	60149.04	4/12/2006	Aqueous	VOCs	Method 624
	812MW02	60149.05	4/12/2006	Aqueous	VOCs	Method 624
	812MW04	60149.06	4/12/2006	Aqueous	VOCs	Method 624
	812MW05	60149.07	4/12/2006	Aqueous	VOCs	Method 624
	812MW06	60149.08	4/12/2006	Aqueous	VOCs	Method 624
	812MW07	60149.09	4/12/2006	Aqueous	VOCs	Method 624
	812MW08	60149.10	4/12/2006	Aqueous	VOCs	Method 624
	812MW14	60149.11	4/12/2006	Aqueous	VOCs	Method 624
#25	812MW01	60318.04	7/14/2006	Aqueous	VOCs	Method 624
	812MW02	60318.05	7/14/2006	Aqueous	VOCs	Method 624
	812MW04	60318.06	7/14/2006	Aqueous	VOCs	Method 624
	812MW05	60318.07	7/14/2006	Aqueous	VOCs	Method 624
	812MW06	60318.08	7/14/2006	Aqueous	VOCs	Method 624
	812MW07	60318.09	7/14/2006	Aqueous	VOCs	Method 624
	812MW08	60318.10	7/14/2006	Aqueous	VOCs	Method 624
	812MW14	60318.11	7/14/2006	Aqueous	VOCs	Method 624
#26	812MW01	60465.04	10/25/2006	Aqueous	VOCs	Method 624
	812MW02	60465.05	10/25/2006	Aqueous	VOCs	Method 624
	812MW04	60465.06	10/25/2006	Aqueous	VOCs	Method 624
	812MW05	60467.04	10/26/2006	Aqueous	VOCs	Method 624
	812MW06	60465.07	10/25/2006	Aqueous	VOCs	Method 624
	812MW07	60467.05	10/26/2006	Aqueous	VOCs	Method 624
	812MW08	60465.08	10/25/2006	Aqueous	VOCs	Method 624
	812MW14	60467.06	10/26/2006	Aqueous	VOCs	Method 624

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#27	812MW01	70017.04	1/11/2007	Aqueous	VOCs	Method 624
	812MW02	70017.05	1/11/2007	Aqueous	VOCs	Method 624
	812MW04	70017.06	1/11/2007	Aqueous	VOCs	Method 624
	812MW05	70017.07	1/11/2007	Aqueous	VOCs	Method 624
	812MW06	70017.08	1/11/2007	Aqueous	VOCs	Method 624
	812MW07	70017.09	1/11/2007	Aqueous	VOCs	Method 624
	812MW08	70017.10	1/11/2007	Aqueous	VOCs	Method 624
	812MW14	70017.11	1/11/2007	Aqueous	VOCs	Method 624
#28	812MW01	70153.04	4/30/2007	Aqueous	VOCs	Method 624
	812MW02	70153.05	4/30/2007	Aqueous	VOCs	Method 624
	812MW04	70153.06	4/30/2007	Aqueous	VOCs	Method 624
	812MW05	70153.07	4/30/2007	Aqueous	VOCs	Method 624
	812MW06	70153.08	4/30/2007	Aqueous	VOCs	Method 624
	812MW07	70153.09	4/30/2007	Aqueous	VOCs	Method 624
	812MW08	70153.10	4/30/2007	Aqueous	VOCs	Method 624
	812MW14	70153.11	4/30/2007	Aqueous	VOCs	Method 624
#29	812MW01	70277.04	7/24/2007	Aqueous	VOCs	Method 624
	812MW02	70277.05	7/24/2007	Aqueous	VOCs	Method 624
	812MW04	70277.06	7/24/2007	Aqueous	VOCs	Method 624
	812MW05	70277.07	7/24/2007	Aqueous	VOCs	Method 624
	812MW06	70277.08	7/24/2007	Aqueous	VOCs	Method 624
	812MW07	70277.09	7/24/2007	Aqueous	VOCs	Method 624
	812MW08	70277.10	7/24/2007	Aqueous	VOCs	Method 624
	812MW14	70277.11	7/24/2007	Aqueous	VOCs	Method 624
#30	812MW01	70397.04	10/17/2007	Aqueous	VOCs	Method 624
	812MW02	70397.05	10/17/2007	Aqueous	VOCs	Method 624
	812MW04	70397.06	10/17/2007	Aqueous	VOCs	Method 624
	812MW05	70397.07	10/17/2007	Aqueous	VOCs	Method 624
	812MW06	70397.08	10/17/2007	Aqueous	VOCs	Method 624
	812MW07	70397.09	10/17/2007	Aqueous	VOCs	Method 624
	812MW08	70397.10	10/17/2007	Aqueous	VOCs	Method 624
	812MW14	7039711	10/17/2007	Aqueous	VOCs	Method 624

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

Table 4-2
Ground Water Sampling Summary
Site 812
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#31	812MW01	80051.04	2/20/2008	Aqueous	VOCs	Method 624
	812MW02	80051.05	2/20/2008	Aqueous	VOCs	Method 624
	812MW04	80051.06	2/20/2008	Aqueous	VOCs	Method 624
	812MW05	80051.07	2/20/2008	Aqueous	VOCs	Method 624
	812MW06	80051.08	2/20/2008	Aqueous	VOCs	Method 624
	812MW07	80051.09	2/20/2008	Aqueous	VOCs	Method 624
	812MW08	80051.10	2/20/2008	Aqueous	VOCs	Method 624
	812MW14	80051.11	2/20/2008	Aqueous	VOCs	Method 624
#32	812MW01	80120.04	4/9/2008	Aqueous	VOCs	Method 624
	812MW02	80120.05	4/9/2008	Aqueous	VOCs	Method 624
	812MW04	80120.06	4/9/2008	Aqueous	VOCs	Method 624
	812MW05	80120.07	4/9/2008	Aqueous	VOCs	Method 624
	812MW06	80120.08	4/9/2008	Aqueous	VOCs	Method 624
	812MW07	80120.09	4/9/2008	Aqueous	VOCs	Method 624
	812MW08	80120.10	4/9/2008	Aqueous	VOCs	Method 624
	812MW14	80120.11	4/9/2008	Aqueous	VOCs	Method 624
#33	812MW01	80256.04	7/25/2008	Aqueous	VOCs	Method 624
	812MW02	80256.05	7/25/2008	Aqueous	VOCs	Method 624
	812MW04	80256.06	7/25/2008	Aqueous	VOCs	Method 624
	812MW05	80256.07	7/25/2008	Aqueous	VOCs	Method 624
	812MW06	80256.08	7/25/2008	Aqueous	VOCs	Method 624
	812MW07	80256.09	7/25/2008	Aqueous	VOCs	Method 624
	812MW08	80256.10	7/25/2008	Aqueous	VOCs	Method 624
	812MW14	80256.11	7/25/2008	Aqueous	VOCs	Method 624
#34	812MW01	80383.04	10/22/2008	Aqueous	VOCs	Method 624
	812MW02	80383.05	10/22/2008	Aqueous	VOCs	Method 624
	812MW04	80383.06	10/22/2008	Aqueous	VOCs	Method 624
	812MW05	80383.07	10/22/2008	Aqueous	VOCs	Method 624
	812MW06	80383.08	10/22/2008	Aqueous	VOCs	Method 624
	812MW07	80383.09	10/22/2008	Aqueous	VOCs	Method 624
	812MW08	80383.10	10/22/2008	Aqueous	VOCs	Method 624
	812MW14	80383.11	10/22/2008	Aqueous	VOCs	Method 624

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

Table 5-1
Ground Water Sampling Results
Site 812 MW01 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	1	2	3	4	4	5	6	7	8	9
WELL ID			812MW01	MW01Duplicate	812MW01	812MW01	812MW01	MW01Duplicate	812MW01	812MW01	812MW01	812MW01	812MW01
Date Collected			9/11/2000	9/11/2000	12/27/2000	3/16/2001	6/21/2001	6/21/2001	8/27/2001	11/27/2001	2/6/2002	6/28/2002	8/28/2002
ANALYTE / Lab ID			5701.03	5701.06	5924.04	16006.04	16201.04	16201.03	16386.04	16613.01	20079.04	20406.04	20619.04
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
TICs*	500	µg/L	10	55	ND	9	ND	ND	8	5	5	40	13
Pesticides/PCBs													
Alpha-chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.006	ND	ND
Gamma-chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	0.002	0.006	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	7.30	**8.59**	ND	ND	5.21	5.51	2.91	3.63	ND	2.51	ND
Barium	2000	µg/L	171	185	7.85	16	15	15.9	16.1	22.1	11.5	15.3	11.7
Beryllium	20	µg/L	0.595	0.643	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	**63.8**	ND
Chromium	100	µg/L	94.6	**111**	ND	3.1	6.81	6.52	5.86	4.6	ND	ND	0.898
Copper	1000	µg/L	27.9	ND	158	5	ND	ND	12.5	6.7	10.2	9.37	ND
Lead	10	µg/L	**14.9**	7.01	**31.3**	ND	ND	ND	ND	1.59	ND	ND	ND
Mercury	2	µg/L	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND
Nickel	100	µg/L	16.8	16.6	4.18	2	5.64	3.46	3.48	4.37	ND	ND	ND
Selenium	50	µg/L	8.43	8.17	ND	ND	11.6	13.2	ND	ND	ND	5.13	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	6.18	7.61	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-1
Ground Water Sampling Results
Site 812 MW01 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	10	11	11	12	13	14	14	15	16	17	18
WELL ID			812MW01	812MW01	MW01Duplicate	812MW01	812MW01	812MW01	MW01Duplicate	812MW01	812MW01	812MW01	812MW01
Date Collected			11/14/2002	3/14/2003	3/14/2003	5/15/2003	8/21/2003	10/20/2003	10/20/2003	1/22/2004	4/22/2004	7/14/2004	10/28/2004
ANALYTE / Lab ID			20814.01	30120.04	30120.03	30227.15	30528.01	30665.04	30665.03	40057.04	40280.04	40520.04	40751.05
VOCs													
2-Butanone	300	µg/L	ND	5.26	5.88	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
TICs*	500	µg/L	8	45	33	26	21	24	24	NA	NA	NA	NA
Pesticides/PCBs													
Alpha-chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Gamma-chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Metals													
Antimony	20	µg/L	ND	ND	6.5 ER	ND	ND	ND	ND	NA	NA	NA	NA
Arsenic	8	µg/L	3.77	ND	4.01 ER	2.64 ER	4.99 ER	ND	ND	NA	NA	NA	NA
Barium	2000	µg/L	12.4	28.4	28.5	14.5	10.4	10.4	10.5	NA	NA	NA	NA
Beryllium	20	µg/L	ND	ND	ND	ND	ND	0.08 ER	0.046 ER	NA	NA	NA	NA
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Chromium	100	µg/L	ND	1.34 ER	1.65 ER	ND	ND	ND	ND	NA	NA	NA	NA
Copper	1000	µg/L	3.02	16.7	17.2	4.63 ER	ND	ND	ND	NA	NA	NA	NA
Lead	10	µg/L	ND	ND	0.905 ER	ND	ND	ND	ND	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Nickel	100	µg/L	ND	1.12 ER	1.36 ER	ND	ND	ND	ND	NA	NA	NA	NA
Selenium	50	µg/L	ND	5.49 ER	6 ER	5.47 ER	ND	ND	ND	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-1
Ground Water Sampling Results
Site 812 MW01 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	19	20	21	22
WELL ID			812MW01	812MW01	812MW01	812MW01
Date Collected			1/12/2005	4/12/2005	7/6/2005	10/26/2005
ANALYTE / Lab ID			50019.04	50198.04	50337.04	50553.04
VOCs						
2-Butanone	300	µg/L	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND
TICs*	500	µg/L	ND	15	ND	ND
SVOCs						
TICs*	500	µg/L	NA	NA	NA	NA
Pesticides/PCBs						
Alpha-chlordane	NLE	µg/L	NA	NA	NA	NA
Gamma-chlordane	NLE	µg/L	NA	NA	NA	NA
Metals						
Antimony	20	µg/L	NA	NA	NA	NA
Arsenic	8	µg/L	NA	NA	NA	NA
Barium	2000	µg/L	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA
Lead	10	µg/L	NA	NA	NA	NA
Mercury	2	µg/L	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA
Selenium	50	µg/L	NA	NA	NA	NA
Thallium	10	µg/L	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-1
Ground Water Sampling Results
Site 812 MW01 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	25	26	27	28	28	29
WELL ID			812MW01	812MW01	812MW01	812MW01	812MW01	812MW01	MW01Duplicate	812MW01
Date Collected			1/11/2006	4/12/2006	7/14/2006	10/25/2006	1/11/2007	4/30/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.04	60149.04	60318.04	60465.04	70017.04	70153.04	70153.03	70277.04
VOCs										
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	0.54 JB	ND	ND	ND	ND
TICs*	500	µg/L	ND	4	ND	ND	ND	6	6	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-1
Ground Water Sampling Results
Site 812 MW01 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	32	32	33	34	34
WELL ID			812MW01	812MW01	812MW01	MW01Duplicate	812MW01	812MW01	MW01Duplicate
Date Collected			10/17/2007	2/20/2008	4/9/2008	4/9/2008	7/25/2008	10/22/2008	10/22/2008
ANALYTE / Lab ID			70397.04	80051.04	80120.04	80120.03	80256.04	80383.04	80383.03
VOCs									
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-2
Ground Water Sampling Results
Site 812 MW02 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	7	8	8
WELL ID			812MW02	812MW02	812MW02	812MW02	812MW02	812MW02	812MW02	MW02Duplicate	812MW02	MW02Duplicate
Date Collected			9/11/2000	12/27/2000	3/16/2001	6/21/2001	8/27/2001	11/27/2001	2/6/2002	2/6/2002	6/28/2002	6/28/2002
ANALYTE / Lab ID			5701.04	5924.05	16006.05	16201.05	16386.05	16613.02	20079.05	20079.03	20406.05	20406.03
VOCs												
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NLE	µg/L	4.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	64
SVOCs												
1,4- Dichlorobenzene	75	µg/L	ND	ND	ND	3.67	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	4.16	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	111	14	9	ND	ND	5	5	5	8	ND
Pesticides/PCBs												
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND	0.005	ND	0.006	0.007	ND	ND
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	0.007	ND	0.006	0.007	ND	ND
Endosulfan	0.4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals												
Antimony	20	µg/L	3.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	3.0	4.41	ND	5.89	ND	ND	ND	ND
Barium	2000	µg/L	15.1	11.2	24.6	19.4	37.2	30.7	23.2	22.9	23.9	95.3
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.841
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	ND	ND	3.2	1.23	2.56	5.29	1.46	1.18	8.95	13.0
Copper	1000	µg/L	44.3	ND	3.0	ND	24.1	5.56	3.17	6.58	4.38	ND
Lead	10	µg/L	6.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	ND	ND	ND	ND	ND	1.63	ND	ND	ND	20.1
Selenium	50	µg/L	ND	ND	ND	13.6	ND	ND	ND	ND	4.63	8.32
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-2
Ground Water Sampling Results
Site 812 MW02 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	9	9	10	11	12	13	14	15	16	17	18
WELL ID			812MW02	MW02Duplicate	812MW02	812MW02	812MW02	812MW02	812MW02	812MW02	812MW02	812MW02	812MW02
Date Collected			8/28/2002	8/28/2002	11/14/2002	3/14/2003	5/15/2003	8/21/2003	10/20/2003	1/22/2004	4/22/2004	7/14/2004	10/28/2004
ANALYTE / Lab ID			20619.05	20619.03	20814.02	30120.05	30227.16	30528.02	30665.05	40057.05	40280.05	40520.05	40751.08
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
1,4- Dichlorobenzene	75	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TICs*	500	µg/L	12	16	9	11	29	28	17	NA	NA	NA	NA
Pesticides/PCBs													
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Endosulfan	0.4	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Heptachlor epoxide	0.2	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Arsenic	8	µg/L	3.87	ND	ND	ND	ND	7.71	ND	NA	NA	NA	NA
Barium	2000	µg/L	25.6	72.7	17.8	20.8	19.9	42.4	19.4	NA	NA	NA	NA
Beryllium	20	µg/L	ND	0.677	ND	ND	ND	0.168 ER	0.07 ER	NA	NA	NA	NA
Cadmium	4	µg/L	ND	0.636	ND	0.462 ER	ND	0.767 ER	ND	NA	NA	NA	NA
Chromium	100	µg/L	4.90	14.0	2.1	ND	ND	20.7	ND	NA	NA	NA	NA
Copper	1000	µg/L	5.49	12.2	3.02	7.27	4.15 ER	4.48 ER	ND	NA	NA	NA	NA
Lead	10	µg/L	ND	3.04	ND	0.94 ER	ND	1.89 ER	ND	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Nickel	100	µg/L	1.98	12.1	2.65	ND	ND	5.05	ND	NA	NA	NA	NA
Selenium	50	µg/L	ND	4.16	ND	6.02 ER	ND	ND	ND	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-2
Ground Water Sampling Results
Site 812 MW02 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	19	20	21	22
WELL ID			812MW02	812MW02	812MW02	812MW02
Date Collected			1/12/2005	4/12/2005	7/6/2005	10/26/2005
ANALYTE / Lab ID			50019.05	50198.05	50337.05	50553.05
VOCs						
Acetone	700	µg/L	ND	ND	ND	ND
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND
SVOCs						
1,4- Dichlorobenzene	75	µg/L	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	30	µg/L	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA
Pesticides/PCBs						
alpha-Chlordane	NLE	µg/L	NA	NA	NA	NA
gamma-Chlordane	NLE	µg/L	NA	NA	NA	NA
Endosulfan	0.4	µg/L	NA	NA	NA	NA
Heptachlor epoxide	0.2	µg/L	NA	NA	NA	NA
Metals						
Antimony	20	µg/L	NA	NA	NA	NA
Arsenic	8	µg/L	NA	NA	NA	NA
Barium	2000	µg/L	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA
Lead	10	µg/L	NA	NA	NA	NA
Mercury	2	µg/L	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA
Selenium	50	µg/L	NA	NA	NA	NA
Thallium	10	µg/L	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-2
Ground Water Sampling Results
Site 812 MW02 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	25	26	27	28	29
WELL ID			812MW02	812MW02	812MW02	812MW02	812MW02	812MW02	812MW02
Date Collected			1/11/2006	4/12/2006	7/14/2006	10/25/2006	1/11/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.05	60149.05	60318.05	60465.05	70017.05	70153.05	70277.05
VOCs									
Acetone	6000	µg/L	ND	ND	ND	ND	0.97 JB	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	4	ND	ND	ND	6	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-2
Ground Water Sampling Results
Site 812 MW02 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	32	33	34
WELL ID			812MW02	812MW02	812MW02	812MW02	812MW02
Date Collected			10/17/2007	2/20/2008	4/9/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.05	80051.05	80120.05	80256.05	80383.05
VOCs							
Acetone	6000	µg/L	ND	ND	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-3
Ground Water Sampling Results
Site 812 MW03 (Jan00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	3	4	5	5	6	7	8	9
WELL ID			812MW03	812MW03	812MW03	MW03Duplicate	812MW03	812MW03	MW03Duplicate	812MW03	812MW03	812MW03	812MW03
Date Collected			9/11/2000	12/27/2000	3/16/2001	3/16/2001	6/21/2001	8/27/2001	8/27/2001	11/27/2001	2/6/2002	6/28/2002	8/28/2002
ANALYTE / Lab ID			5701.05	5924.06	16006.06	16006.03	16201.06	16386.06	16386.03	16613.03	20079.06	20406.06	20619.06
VOCs													
Acetone	700	µg/L	ND	14.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
1,4-Dichlorobenzene	75	µg/L	ND	ND	ND	ND	2.02	ND	ND	ND	ND	ND	ND
Acenaphthene	400	µg/L	ND	ND	ND	ND	4.95	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	2.25	ND	ND	ND	ND	ND	ND
Dibenzofuran	NLE	µg/L	ND	ND	ND	ND	1.83	ND	ND	ND	ND	ND	ND
Fluorene	300	µg/L	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	50	ND	9	8	ND	8	7	5	ND	9	14
Pesticides/PCBs													
alpha-Chlordane	NLE	µg/L	ND	0.147	ND	ND	ND	ND	ND	ND	0.007	ND	ND
gamma-Chlordane	NLE	µg/L	ND	0.061	ND	ND	ND	ND	ND	0.003	0.007	ND	ND
Endosulfan	0.4	µg/L	ND	0.134	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.2	µg/L	ND	0.090	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	2.46	ND	3.16	4.61	ND	ND	ND
Barium	2000	µg/L	62.1	17.4	15.4	15.2	12.8	17.3	20.2	22.0	13.6	42.5	15.5
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	34.9	2.90	2.30	1.90	0.797	2.69	6.52	3.70	0.939	2.89	1.52
Copper	1000	µg/L	426	ND	3.0	5.0	ND	9.07	16.6	3.38	3.26	9.97	7.32
Lead	10	µg/L	**74.3**	ND	ND	ND	ND	ND	1.51	ND	ND	ND	3.46
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Nickel	100	µg/L	15.5	2.73	2.0	2.0	ND	1.51	2.59	4.83	2.02	2.82	1.96
Selenium	50	µg/L	ND	ND	ND	ND	13.1	ND	ND	ND	ND	ND	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

ND - Analyte not detected in sample

NLE - No limit established

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-3
Ground Water Sampling Results
Site 812 MW03 (Jan00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	10	11	12	13	14
WELL ID			812MW03	812MW03	812MW03	812MW03	812MW03
Date Collected			11/14/2002	3/14/2003	5/15/2003	8/21/2003	10/20/2003
ANALYTE / Lab ID			20814.03	30120.06	30227.17	30528.03	30665.06
VOCs							
Acetone	700	µg/L	ND	ND	ND	ND	ND
SVOCs							
1,4-Dichlorobenzene	75	µg/L	ND	ND	ND	ND	ND
Acenaphthene	400	µg/L	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND
Dibenzofuran	NLE	µg/L	ND	ND	ND	ND	ND
Fluorene	300	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	8	13	23	28	24
Pesticides/PCBs							
alpha-Chlordane	NLE	µg/L	ND	0.08	ND	ND	ND
gamma-Chlordane	NLE	µg/L	ND	0.05	ND	ND	ND
Endosulfan	0.4	µg/L	ND	0.03	ND	ND	ND
Heptachlor epoxide	0.2	µg/L	ND	0.04	ND	ND	ND
Metals							
Antimony	20	µg/L	ND	ND	ND	ND	3.89 ER
Arsenic	8	µg/L	ND	ND	ND	2.85 ER	ND
Barium	2000	µg/L	26.1	13.4	9.21	11.7	10.4
Beryllium	20	µg/L	ND	ND	ND	0.022 ER	0.045 ER
Cadmium	4	µg/L	ND	ND	ND	ND	0.523 ER
Chromium	100	µg/L	0.929	ND	ND	ND	ND
Copper	1000	µg/L	2.96	3.26 ER	1.88 ER	ND	ND
Lead	10	µg/L	2.21	0.941 ER	ND	ND	ND
Mercury	2	µg/L	ND	ND	ND	ND	ND
Nickel	100	µg/L	1.68	2.63 ER	3.03 ER	1.83 ER	2.06 ER
Selenium	50	µg/L	ND	6 ER	6.79 ER	ND	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

ND - Analyte not detected in sample

NLE - No limit established

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002	2/21/2003
ANALYTE / Lab ID			5710.04	5924.07	16012.04	16205.04	16419.04	16619.04	20083.04	20365.04	20608.04	20792.04	30075.08
VOCs													
2-Butanone	300	µg/L	ND	ND	6.51	ND	ND	ND	ND	ND	ND	95.28	199.53
4-Methyl-2-pentanone	400	µg/L	ND	60.72	5.72	ND	98.01	ND	144.23	142.98	85.52	ND	2.67
Acetone	700	µg/L	ND	24.09	26.96	ND	32.74	ND	33.43	19.34	ND	72.53	80.32
Acrolein	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.19	ND
Benzene	1	µg/L	**6.58**	**4.17**	ND	ND	**6.75**	**3.51**	**5.87**	**8.04**	**5.43**	ND	**1.41 J**
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	1.84	ND	12.65	26.65	10.71	ND	ND
cis -l,2-Dichloroethylene	10	µg/L	**5669.25**	**406.83**	**316.55**	**56.72**	**196.94**	**125.92**	**864.87**	**509.66**	**40.9**	7.76	**178.9**
Ethylbenzene	700	µg/L	136.41	72.16	20.48	8.70	126.76	53.78	98.1	182.38	94.11	1.24	38.58
Methyl *tert* -butyl ether	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	100	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert Butyl alcohol	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.33**
Toluene	1000	µg/L	42.06	40.08	8.06	3.47	62.13	29.94	58.02	70.94	51.32	1.12	16.67
trans -l,2-Dichloroethylene	100	µg/L	**326.3**	99.81	22.64	13.88	**101.33**	60.82	**159.6**	**166.9**	54.95	1.21	13.59
Trichloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	**2.14**	**1.52**	ND	ND	**1.72 J**
Vinyl chloride	5	µg/L	**4793.33**	**3304.1**	**355.91**	**547.7**	**3299.91**	**2255.66**	**4088.63**	**4114.45**	**4451.45**	**61.91**	**523.59**
Xylenes (Total)	1000	µg/L	120.22	191.02	32.16	8.51	295.1	114.73	238.34	302.66	211.4	ND	88.36
TICs*	500	µg/L	123	**533**	ND	6.0	236	192	**899**	**1100**	ND	ND	**3265**
SVOCs													
2-Methylphenol	NLE	µg/L	18.35	4.5	12.25	ND	ND	ND	ND	ND	ND	34.4	15.85
2-Methylnapthalene	NLE	µg/L	ND	ND	17.06	3.08	ND	ND	ND	11.00	ND	ND	1.21 J
4-Methylphenol	NLE	µg/L	102.1	78.53	65.47	ND	26.33	33.65	17.58	27.05	49.1	15.03	40.3
2,4-Dimethylphenol	100	µg/L	ND	39.25	ND	ND	10.97	ND	6.66	9.69	35.62	ND	ND
Benzoic Acid	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.59	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	ND	ND	ND	1.16	ND	ND	ND
Napthalene	NLE	µg/L	42.01	34.38	25.96	1.28	17.59	19.48	5.16	4.94	12.48	ND	5.68 J
N -Nitrosodiphenylamine	20	µg/L	ND	5.88	4.81	ND	3.18	3.70	1.37	2.67	6.7	ND	ND
Phenol	4000	µg/L	66.08	9.63	ND	ND	ND	ND	ND	ND	ND	3.3	ND
TICs*	500	µg/L	**1766**	**1627**	**784**	159	**747**	**817**	455	**634**	**1001**	**2232**	**3840**

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	12	13	14	15	15	16	16	17	17	18	18
WELL ID			812MW04	812MW04	812MW04	812MW04	MW04Duplicate	812MW04	MW04Duplicate	812MW04	MW04Duplicate	812MW04	MW04Duplicate
Date Collected			5/15/2003	8/21/2003	10/22/2003	1/22/2004	1/22/2004	4/22/2004	4/22/2004	7/14/2004	7/14/2004	10/28/2004	10/28/2004
ANALYTE / Lab ID			30227.04	30532.04	30672.04	40057.06	40057.03	40280.06	40280.03	40520.06	40520.03	40751.04	40751.03
VOCs													
2-Butanone	300	µg/L	96.84	**915.3**	220.34	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	400	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	90.96	189.82	36.22	ND	1.4 J	4.01 B	6.17 B	7.34	8.68	3.38	4.24
Acrolein	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	**3.28**	**2.82**
Carbon disulfide	NLE	µg/L	ND	5.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis -l,2-Dichloroethylene	10	µg/L	6.84	**37.35**	4.58	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L	ND	9.01	9.55	ND	0.95 J	ND	ND	ND	ND	50.49	45.34
Methyl *tert* -butyl ether	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	100	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1
tert Butyl alcohol	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	ND	6.03	4.37	ND	0.34 J	ND	ND	ND	ND	45.7	41.17
trans -l,2-Dichloroethylene	100	µg/L	ND	6.38	ND	ND	ND	ND	ND	ND	ND	2.55	2.04
Trichloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	5	µg/L	**111.93**	**321.42**	**44.28**	4.06	3.79	ND	ND	ND	ND	**47.06**	**49.43**
Xylenes (Total)	1000	µg/L	7.6	20.7	26.61	2.54 J	2.51 J	ND	ND	ND	ND	178.83	159.87
TICs*	500	µg/L	ND	ND	130	ND	ND	ND	94	ND	ND	**979**	**810**
SVOCs													
2-Methylphenol	NLE	µg/L	3.69 J	6.40 J	ND	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnapthalene	NLE	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NLE	µg/L	157.64	592.31	130.49	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	µg/L	ND	1.78 J	ND	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	NLE	µg/L	8.60 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Napthalene	NLE	µg/L	1.83 J	4.78 J	ND	NA	NA	NA	NA	NA	NA	NA	NA
N -Nitrosodiphenylamine	20	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	4000	µg/L	5.24 J	6.49 J	ND	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	**911**	**2233**	159	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

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J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	19	20	21	21	22	22
WELL ID			812MW04	812MW04	812MW04	MW04Duplicate	812MW04	MW04Duplicate
Date Collected			1/12/2005	4/12/2005	7/6/2005	7/6/2005	10/26/2005	10/26/2005
ANALYTE / Lab ID			50019.06	50198.06	50337.06	50337.03	50553.06	50553.03
VOCs								
2-Butanone	300	µg/L	74.88	182.21	ND	ND	ND	ND
4-Methyl-2-pentanone	400	µg/L	ND	3.64	ND	ND	ND	ND
Acetone	700	µg/L	214.79	60.16 B	ND	ND	ND	ND
Acrolein	NLE	µg/L	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	0.46 J	**1.98 J**	ND	ND	**1.77 J**	**1.79 J**
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND	ND
cis -l,2-Dichloroethylene	10	µg/L	1.19 J	ND	ND	ND	0.51 J	0.45 J
Ethylbenzene	700	µg/L	32.42	45.57	ND	ND	50.43	50.96
Methyl *tert* -butyl ether	NLE	µg/L	ND	ND	1.56 J	ND	ND	ND
Styrene	100	µg/L	ND	ND	ND	ND	ND	ND
tert Butyl alcohol	NLE	µg/L	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	7.26	32.71	ND	ND	27.07	28.61
trans -l,2-Dichloroethylene	100	µg/L	1.54 J	1.03 J	ND	ND	1.54 J	1.53 J
Trichloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND
Vinyl chloride	5	µg/L	**30.64**	**31.84**	ND	ND	**42.61**	**41.93**
Xylenes (Total)	1000	µg/L	84.21	183.47	ND	ND	169.32	126.97
TICs*	500	µg/L	**609**	**937**	ND	ND	**558**	**541**
SVOCs								
2-Methylphenol	NLE	µg/L	NA	NA	NA	NA	NA	NA
2-Methylnapthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA
4-Methylphenol	NLE	µg/L	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	µg/L	NA	NA	NA	NA	NA	NA
Benzoic Acid	NLE	µg/L	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	µg/L	NA	NA	NA	NA	NA	NA
Napthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA
N -Nitrosodiphenylamine	20	µg/L	NA	NA	NA	NA	NA	NA
Phenol	4000	µg/L	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

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Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002	2/21/2003
ANALYTE / Lab ID			5710.04	5924.07	16012.04	16205.04	16419.04	16619.04	20083.04	20365.04	20608.04	20792.04	30075.08
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.3	18.7 ER
Arsenic	8	µg/L	ND	**23.9**	**9.0**	**11.6**	**154**	**22.2**	**9.24**	**22.8**	**10.3**	**40.8**	4.18 ER
Barium	2000	µg/L	76.5	48.8	41.6	41.5	313	53.2	37.5	68.4	38.3	70.3	32.8
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND
Cadmium	4	µg/L	ND	ND	ND	ND	**7.62**	ND	ND	ND	ND	ND	**11.8**
Chromium	100	µg/L	9.38	10.2	4.6	3.72	**400**	11.9	7.85	32.1	4.85	58.1	71.8
Copper	1000	µg/L	ND	14.8	11.0	9.04	144	6.25	11.2	24.1	2.35	53.1	ND
Lead	10	µg/L	**36.3**	**38.6**	**30.0**	5.82	**545**	**16.5**	7.97	**73.7**	1.98	**24.9**	**15.9**
Mercury	2	µg/L	ND	ND	ND	ND	0.27	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	7.67	ND	5.0	ND	50.3	4.45	2.05	7.01	2.93	62.4	ND
Selenium	50	µg/L	8.58	ND	ND	15.6	ND	ND	ND	ND	ND	30.5	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10.5**

Notes:

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Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	12	13	14	15	15	16	16	17	17	18	18
WELL ID			812MW04	812MW04	812MW04	812MW04	MW04Duplicate	812MW04	MW04Duplicate	812MW04	MW04Duplicate	812MW04	MW04Duplicate
Date Collected			5/15/2003	8/21/2003	10/22/2003	1/22/2004	1/22/2004	4/22/2004	4/22/2004	7/14/2004	7/14/2004	10/28/2004	10/28/2004
ANALYTE / Lab ID			30227.04	30532.04	30672.04	40057.06	40057.03	40280.06	40280.03	40520.06	40520.03	40751.04	40751.03
Metals													
Antimony	20	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	µg/L	4.80 ER	**10.3**	**10.1**	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	µg/L	48.2	55.2	39.0	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	ND	0.061 ER	0.028 ER	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	2.41	3.68	1.03 ER	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	12.6	14.3	4.97 ER	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	33.9	14.2	1.37 ER	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	**10.8**	**19.9**	5.58	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	3.04 ER	1.66 ER	1.69 ER	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	10	µg/L	2.16 ER	2.21 ER	ND	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

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NA - Not analyzed

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Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	19	20	21	21	22	22
WELL ID			812MW04	812MW04	812MW04	MW04Duplicate	812MW04	MW04Duplicate
Date Collected			1/12/2005	4/12/2005	7/6/2005	7/6/2005	10/26/2005	10/26/2005
ANALYTE / Lab ID			50019.06	50198.06	50337.06	50337.03	50553.06	50553.03
Metals								
Antimony	20	µg/L	NA	NA	NA	NA	NA	NA
Arsenic	8	µg/L	NA	NA	NA	NA	NA	NA
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	NA	NA	NA	NA	NA	NA
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA
Selenium	50	µg/L	NA	NA	NA	NA	NA	NA
Thallium	10	µg/L	NA	NA	NA	NA	NA	NA

Notes:

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Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	25	26	27	28	29
WELL ID			812MW04	812MW04	812MW04	812MW04	812MW04	812MW04	812MW04
Date Collected			1/11/2006	4/12/2006	7/14/2006	10/25/2006	1/11/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.06	60149.06	60318.06	60465.06	70017.06	70153.06	70277.06
VOCs									
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	0.87 J	ND	ND	ND
Acrolein	5	µg/L	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	**1.50 J**	ND	0.92 J	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND	ND	ND
cis -l,2-Dichloroethylene	70	µg/L	ND	0.3 J	1.22 J	0.39 J	ND	ND	ND
Ethylbenzene	700	µg/L	0.52 J	37.64	3.25	17.8	1.48 J	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	ND	ND	ND	ND
Styrene	100	µg/L	ND	ND	ND	ND	ND	ND	ND
tert Butyl alcohol	100	µg/L	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	ND	10.12	0.69 J	6.76	ND	ND	ND
trans -l,2-Dichloroethylene	100	µg/L	ND	0.75 J	ND	0.75 J	ND	ND	ND
Trichloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	1	µg/L	**1.31 J**	ND	**8.82**	**17.17**	**1.98 J**	ND	ND
Xylenes (Total)	1000	µg/L	0.24 J	33.5	1.83 J	19.83	0.92 J	ND	ND
TICs*	500	µg/L	ND	283	16	123	ND	4	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)= ∑ of o-xylene and m,p-xylene

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-4
Ground Water Sampling Results
Site 812 MW04 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	32	33	34
WELL ID			812MW04	812MW04	812MW04	812MW04	812MW04
Date Collected			10/17/2007	2/20/2008	4/9/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.06	80051.06	80120.06	80256.06	80383.06
VOCs							
2-Butanone	300	µg/L	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NLE	µg/L	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND
Acrolein	5	µg/L	ND	ND	ND	ND	ND
Benzene	1	µg/L	**2.8**	ND	ND	**1.49 J**	**2.19**
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND
Chloroform	70	µg/L	0.66 J	ND	ND	1.11 J	0.44 J
cis -l,2-Dichloroethylene	700	µg/L	46.78	ND	ND	29.01	37.12
Ethylbenzene	70	µg/L	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	100	µg/L	ND	ND	ND	ND	ND
Styrene	100	µg/L	ND	ND	ND	10.66	ND
tert Butyl alcohol	1	µg/L	ND	ND	ND	ND	ND
Tetrachloroethylene	600	µg/L	28.47	ND	ND	7.99	7.36
Toluene	100	µg/L	0.81 J	ND	ND	1.05 J	1.07 J
trans -l,2-Dichloroethylene	1	µg/L	ND	ND	ND	ND	ND
Trichloroethylene	1	µg/L	ND	ND	ND	**22.47**	**40.41**
Trichlorofluoromethane	1000	µg/L	147.45	ND	ND	45.47	33.86
Vinyl chloride	500	µg/L	**400**	ND	ND	133	104
Xylenes (Total)							
TICs*							

VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)= ∑ of o-xylene and m,p-xylene

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued
after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	3	4	5	6	7	8	9	10
WELL ID			812MW05	812MW05	812MW05	MW05Duplicate	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05
Date Collected			9/14/2000	12/27/2000	3/23/2001	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002
ANALYTE / Lab ID			5710.05	5924.08	16012.05	16012.03	16205.05	16419.05	16619.05	20083.05	20365.05	20608.05	20792.05
VOCs													
1,1,1-Trichloroethane	30	µg/L	13.04	1.58	5.77	4.62	10.94	ND	2.06	2.27	5.66	5.83	29.36
1,1-Dichloroethane	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis -1,2-Dichloroethylene	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	126	ND	ND	ND
SVOCs													
2-Methylphenol	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	4.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	11	6	ND	ND	ND	6	4	4	ND	13	31
Pesticides/PCBs													
alpha-chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	0.006	ND	ND	ND
gamma-chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	0.006	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	3	4	5	6	7	8	9	10
WELL ID			812MW05	812MW05	812MW05	MW05Duplicate	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05
Date Collected			9/14/2000	12/27/2000	3/23/2001	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002
ANALYTE / Lab ID			5710.05	5924.08	16012.05	16012.03	16205.05	16419.05	16619.05	20083.05	20365.05	20608.05	20792.05
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	4.54	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	55.4	128	77.5	74.6	133	130	106	78.7	110	85.9	104
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	ND	ND	9.30	6.40	2.49	17.1	2.90	5.32	1.89	8.29	2.99
Copper	1000	µg/L	270	ND	6.0	5.0	2.13	44.0	2.61	4.05	ND	2.95	3.38
Lead	10	µg/L	**49.1**	**17.6**	8.0	3.0	ND	4.43	1.18	ND	ND	ND	ND
Mercury	2	µg/L	ND	ND	ND	ND	0.13	ND	ND	ND	0.22	ND	ND
Nickel	100	µg/L	7.32	4.9	15.0	14.0	19.3	21.4	17.0	11.9	17.4	12.8	14.4
Selenium	50	µg/L	ND	ND	ND	ND	10.5	ND	ND	7.95	8.24	ND	7.37
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	11	12	13	14	15	16	17	18	19	20	21
WELL ID			812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05
Date Collected			3/7/2003	5/15/2003	8/21/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	11/1/2004	1/12/2005	4/12/2005	7/6/2005
ANALYTE / Lab ID			30101.04	30227.05	30532.05	30672.05	40057.07	40280.07	40520.07	40758.01	50019.07	50198.07	50337.07
VOCs													
1,1,1-Trichloroethane	30	µg/L	14.49	8.16	16.8	9.47	17.26	**32.95**	**38.23**	11.17	**32.14**	**48.92**	ND
1,1-Dichloroethane	70	µg/L	1.99 J	1.14 J	2.44	1.89 J	7.17	12.38	19.84	8.01	11.7	11.61	ND
1,1-Dichloroethene	2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.54 J	ND	ND
2-Butanone	300	µg/L	5.90	ND	ND	ND	140.15	123.5	83.49	4.11	ND	7.55	ND
Acetone	700	µg/L	33.87	ND	ND	ND	16.53 B	293.94 B	80.2	4.5	ND	6.47	ND
Acrolein	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.9	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.02 J**
Carbon disulfide	NLE	µg/L	4.93	ND	ND	ND	ND	5.69	ND	ND	ND	ND	ND
Carbon tetrachloride	2	µg/L	ND	ND	ND	ND	ND	**4.69**	**4.82**	1.46 J	**4.83**	**6.96**	ND
Chloroethane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	3.87	3.36	ND
cis -l,2-Dichloroethylene	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J
Methylene chloride	3	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	0.44 J	0.7 J	ND	ND	0.68 J	0.7 J	ND
Xylenes (Total)	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.45 J
TICs*	500	µg/L	4	ND	ND	9	5	5	15	ND	21	23	80
SVOCs													
2-Methylphenol	NLE	µg/L	1.74 J	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NLE	µg/L	4.93 J	5.4 J	5.35 J	ND	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NLE	µg/L	1.16 J	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	198	48	16	15	NA	NA	NA	NA	NA	NA	NA
Pesticides/PCBs													
alpha-chlordane	NLE	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
gamma-chlordane	NLE	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	11	12	13	14	15	16	17	18	19	20	21
WELL ID			812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05
Date Collected			3/7/2003	5/15/2003	8/21/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	11/1/2004	1/12/2005	4/12/2005	7/6/2005
ANALYTE / Lab ID			30101.04	30227.05	30532.05	30672.05	40057.07	40280.07	40520.07	40758.01	50019.07	50198.07	50337.07
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	µg/L	ND	ND	ND	4 ER	NA	NA	NA	NA	NA	NA	NA
Barium	2000	µg/L	114	134	174	316	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	0.401 ER	ND	0.622	1 ER	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	0.855 ER	1.63 ER	1.25 ER	1 ER	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	2.19 ER	1.63 ER	2.27 ER	2.7 ER	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	ND	4.01 ER	11.6	5 ER	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	1.53 ER	2.28 ER	1.72 ER	3 ER	NA	NA	NA	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	ND	0.16 ER	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	14.2	12.1	22.9	39.0	NA	NA	NA	NA	NA	NA	NA
Selenium	50	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	22
WELL ID			812MW05
Date Collected			10/26/2005
ANALYTE / Lab ID			50553.07
VOCs			
1,1,1-Trichloroethane	30	µg/L	ND
1,1-Dichloroethane	70	µg/L	1.23 J
1,1-Dichloroethene	2	µg/L	ND
2-Butanone	300	µg/L	47.18
Acetone	700	µg/L	11.84
Acrolein	NLE	µg/L	ND
Benzene	1	µg/L	ND
Carbon disulfide	NLE	µg/L	ND
Carbon tetrachloride	2	µg/L	ND
Chloroethane	NLE	µg/L	5.16
cis -l,2-Dichloroethylene	10	µg/L	ND
Ethylbenzene	700	µg/L	ND
Methylene chloride	3	µg/L	ND
Tetrachloroethylene	1	µg/L	ND
Xylenes (Total)	1000	µg/L	ND
TICs*	500	µg/L	ND
SVOCs			
2-Methylphenol	NLE	µg/L	NA
4-Methylphenol	NLE	µg/L	NA
Benzoic acid	NLE	µg/L	NA
Bis(2-ethylhexyl) phthalate	30	µg/L	NA
TICs*	500	µg/L	NA
Pesticides/PCBs			
alpha-chlordane	NLE	µg/L	NA
gamma-chlordane	NLE	µg/L	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)= ∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	22
WELL ID			812MW05
Date Collected			10/26/2005
ANALYTE / Lab ID			50553.07
Metals			
Antimony	20	µg/L	NA
Arsenic	8	µg/L	NA
Barium	2000	µg/L	NA
Beryllium	20	µg/L	NA
Cadmium	4	µg/L	NA
Chromium	100	µg/L	NA
Copper	1000	µg/L	NA
Lead	10	µg/L	NA
Mercury	2	µg/L	NA
Nickel	100	µg/L	NA
Selenium	50	µg/L	NA
Thallium	10	µg/L	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)=∑ of o-xylene and m,p-xylene

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	25	26	27	28	29
WELL ID			812MW05	812MW05	812MW05	812MW05	812MW05	812MW05	812MW05
Date Collected			1/11/2006	4/12/2006	7/14/2006	10/26/2006	1/11/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.07	60149.07	60318.07	60467.04	70017.07	70153.07	70277.07
VOCs									
1,1,1-Trichloroethane	30	µg/L	ND	ND	ND	ND	ND	3.03	ND
1,1-Dichloroethane	50	µg/L	1.74 J	1.54 J	ND	2.61	2.41	1.84 J	9.94
1,1-Dichloroethene	1	µg/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	µg/L	27.45	6.6	ND	ND	ND	ND	ND
Acetone	6000	µg/L	5.53	1.54 J	ND	0.96 JB	0.55 JB	ND	ND
Acrolein	5	µg/L	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	µg/L	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NLE	µg/L	5.47	18.82	7.58	3.94	1.45 J	3.51	11.98
cis -l,2-Dichloroethylene	70	µg/L	ND	0.25 J	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	µg/L	ND	ND	1.53 J	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	1000	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	4	20	ND	ND	4	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)= ∑ of o-xylene and m,p-xylenes.

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-5
Ground Water Sampling Results
Site 812 MW05 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	32	33	34
WELL ID			812MW05	812MW05	812MW05	812MW05	812MW05
Date Collected			10/17/2007	2/20/2008	4/9/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.07	80051.07	80120.07	80256.07	80383.07
VOCs							
1,1,1-Trichloroethane	30	µg/L	ND	ND	1.49 J	1.62 J	1.02 J
1,1-Dichloroethane	50	µg/L	5.08	1.31 J	18.89	7.32	2.02
1,1-Dichloroethene	1	µg/L	ND	ND	ND	ND	ND
2-Butanone	300	µg/L	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND
Acrolein	5	µg/L	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	µg/L	ND	ND	ND	ND	ND
Chloroethane	NLE	µg/L	ND	ND	10.69	3.63	ND
cis -l,2-Dichloroethylene	70	µg/L	ND	ND	ND	ND	ND
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND
Methylene chloride	3	µg/L	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND
Trichloroethlyene	1	µg/L	ND	ND	ND	ND	ND
Xylenes (Total)	1000	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

Xylenes (Total)= ∑ of o-xylene and m,p-xylenes.

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-6
Ground Water Sampling Results
Site 812 MW06 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	6	7	8	9	10
WELL ID			812MW06	812MW06	812MW06	812MW06	812MW06	812MW06	MW06Duplicate	812MW06	812MW06	812MW06	812MW06
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002
ANALYTE / Lab ID			5710.06	5924.09	16012.06	16205.06	16419.06	16619.06	16619.03	20083.06	20365.06	20608.06	20792.06
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	19	25	ND	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	1.37	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	12.89	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	13	ND	ND	29	14	ND	ND	5	5	17	31
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	2.32	ND	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	55.1	56.3	55.6	56.3	62.7	56.8	56.2	62.2	70.2	81.3	86.0
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	ND	0.852	3.5	1.2	5.31	10.9	9.35	6.41	11.3	1.70	2.04
Copper	1000	µg/L	223	ND	6.0	ND	21.0	2.65	2.94	7.13	5.41	2.88	2.76
Lead	10	µg/L	46.6	ND	2.0	ND	2.39	1.98	2.25	1.16	ND	2.27	ND
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	5.17	2.4	8.0	4.55	7.18	7.73	7.79	7.42	9.39	10.9	10.2
Selenium	50	µg/L	ND	ND	ND	14.5	ND	ND	ND	7.27	6.96	ND	5.81
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-6
Ground Water Sampling Results
Site 812 MW06 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	11	12	13	14	15	16	17	18	19	20	21
WELL ID			812MW06	812MW06	812MW06	812MW06	812MW06	812MW06	812MW06	812MW06	812MW06	812MW06	812MW06
Date Collected			3/7/2003	5/15/2003	8/21/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	10/28/2004	1/12/2005	4/12/2005	7/6/2005
ANALYTE / Lab ID			30101.05	30227.06	30532.06	30672.06	40057.08	40280.08	40520.08	40751.06	50019.08	50198.08	50337.08
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	0.6 J	ND	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72 J
TICs*	500	µg/L	ND	7	ND	ND	ND	ND	ND	ND	ND	ND	3
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	75	20	11	16	NA	NA	NA	NA	NA	NA	NA
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	µg/L	4.00 ER	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Barium	2000	µg/L	78.8	76.8	75.0	68.3	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	ND	ND	0.239 ER	0.335 ER	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	ND	ND	0.407 ER	ND	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	ND	7.58	1.32 ER	4.02 ER	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	2.00 ER	3.47 ER	3.9 ER	1.29 ER	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	ND	2.19 ER	ND	1.84 ER	NA	NA	NA	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	11.0	9.4	8.29	7.96	NA	NA	NA	NA	NA	NA	NA
Selenium	50	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-6
Ground Water Sampling Results
Site 812 MW06 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	22
WELL ID			812MW06
Date Collected			10/26/2005
ANALYTE / Lab ID			50553.08
VOCs			
Acetone	700	µg/L	ND
Methyl *tert* -butyl ether	NLE	µg/L	ND
TICs*	500	µg/L	ND
SVOCs			
Bis(2-ethylhexyl) phthalate	30	µg/L	NA
Diethyl phthalate	5000	µg/L	NA
TICs*	500	µg/L	NA
Pesticides/PCBs			
gamma-Chlordane	NLE	µg/L	NA
Metals			
Antimony	20	µg/L	NA
Arsenic	8	µg/L	NA
Barium	2000	µg/L	NA
Beryllium	20	µg/L	NA
Cadmium	4	µg/L	NA
Chromium	100	µg/L	NA
Copper	1000	µg/L	NA
Lead	10	µg/L	NA
Mercury	2	µg/L	NA
Nickel	100	µg/L	NA
Selenium	50	µg/L	NA
Thallium	10	µg/L	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-6
Ground Water Sampling Results
Site 812 MW06 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	23	24	25	26	27	28	29
WELL ID			812MW06	MW06Duplicate	812MW06	812MW06	812MW06	812MW06	812MW06	812MW06
Date Collected			1/11/2006	1/11/2006	4/12/2006	7/14/2006	10/25/2006	1/11/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.08	60025.03	60149.08	60318.08	60465.07	70017.08	70153.08	70277.08
VOCs										
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	4	ND	ND	ND	3	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-6
Ground Water Sampling Results
Site 812 MW06 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	32	33	34
WELL ID			812MW06	812MW06	812MW06	812MW06	812MW06
Date Collected			10/17/2007	2/20/2008	4/9/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.08	80051.08	80120.08	80256.08	80383.08
VOCs							
Acetone	6000	µg/L	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-7
Ground Water Sampling Results
Site 812 MW07 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002	3/7/2003
ANALYTE / Lab ID			5710.07	5924.1	16012.07	16205.07	16419.07	16619.07	20083.07	20365.07	20608.07	20792.07	30101.06
VOCs													
1,1,1-Trichloroethane	30	µg/L	11.29	2.91	4.49	3.24	ND	ND	ND	18.81	11.38	5.26	12.84
1,1-Dichloroethane	70	µg/L	ND	ND	ND	ND	ND	ND	ND	1.62	2.73	2.81	2.90
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.21
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.62
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND	5.85	ND	ND	ND	ND	8.27
Chloroethane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21
SVOCs													
2-Methylphenol	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	2.58	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	12	ND	ND	10	4	16	6	4	12	233	**250**
Pesticides/PCBs													
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-7
Ground Water Sampling Results
Site 812 MW07 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002	3/7/2003
ANALYTE / Lab ID			5710.07	5924.1	16012.07	16205.07	16419.07	16619.07	20083.07	20365.07	20608.07	20792.07	30101.06
Metals													
Antimony	20	µg/L	ND	ND	ND	4.06	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	4.25	ND	ND	3.21	ND	ND	2.62	4.91 ER
Barium	2000	µg/L	69.2	53.1	86.7	75	70.6	92.6	112	77.3	67.7	73.0	108
Beryllium	20	µg/L	ND	ND	ND	ND	ND	0.722	1.23	ND	0.646	ND	0.796 ER
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	0.881	ND	ND	ND	0.786 ER
Chromium	100	µg/L	3.77	6.36	ND	2.4	20.1	6.68	36.7	2.93	2.05	5.32	15.2
Copper	1000	µg/L	ND	ND	4.0	10.3	4.43	ND	9.96	3.69	17.8	3.51	37.4
Lead	10	µg/L	ND	ND	ND	ND	2.46	1.47	1.71	ND	3.36	ND	6.73
Mercury	2	µg/L	ND	ND	0.27	0.32	0.18	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	12.7	12.1	27.0	19.9	19.5	29.7	35.6	26.6	25.4	24.8	28.8
Selenium	50	µg/L	ND	ND	ND	9.45	ND	ND	10.7	7.86	4.30	8.12	5.56 ER
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-7
Ground Water Sampling Results
Site 812 MW07 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	12	13	14	15	16	17	18	19	20	21	22
WELL ID			812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07
Date Collected			5/15/2003	8/21/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	11/1/2004	1/12/2005	4/12/2005	7/6/2005	10/26/2005
ANALYTE / Lab ID			30227.07	30532.07	30672.07	40057.09	40280.09	40520.09	40758.02	50019.09	50198.09	50337.09	50553.09
VOCs													
1,1,1-Trichloroethane	30	µg/L	2.37	15.54	1.44 J	1.12 J	0.91 J	0.64 J	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	µg/L	ND	5.0	2.7	2.76	1.06 J	2.76	1.60 J	1.32 J	ND	ND	ND
2-Butanone	300	µg/L	198.04	ND	ND	ND	25.54	37.8	111.58	76.22	ND	ND	ND
Acetone	700	µg/L	116.46	1.81 J	2.6	ND	31.58 B	53.22	13.14	26.69	ND	ND	ND
Carbon disulfide	NLE	µg/L	17.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	3	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	8	ND	ND	ND	ND	4	ND	ND
SVOCs													
2-Methylphenol	NLE	µg/L	2.47 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NLE	µg/L	24.8	9.36 J	3.74 J	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic acid	NLE	µg/L	5.76 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	**472**	41	46	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/PCBs													
alpha-Chlordane	NLE	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-7
Ground Water Sampling Results
Site 812 MW07 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	12	13	14	15	16	17	18	19	20	21	22
WELL ID			812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07	812MW07
Date Collected			5/15/2003	8/21/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	11/1/2004	1/12/2005	4/12/2005	7/6/2005	10/26/2005
ANALYTE / Lab ID			30227.07	30532.07	30672.07	40057.09	40280.09	40520.09	40758.02	50019.09	50198.09	50337.09	50553.09
Metals													
Antimony	20	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	µg/L	3.84 ER	ND	**8.49**	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	µg/L	85.9	48.1	37.6	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	0.777 ER	0.32 ER	0.728	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	1.48 ER	1.54 ER	1.94 ER	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	9.06	3.56 ER	62.6	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	7.84	5.55	8.81	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	2.15 ER	1.27 ER	8.05	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	0.13 ER	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	39.5	11.9	11.9	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-7
Ground Water Sampling Results
Site 812 MW07 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	25	26	26	27	28	29
WELL ID			812MW07	812MW07	812MW07	812MW07	MW07Duplicate	812MW07	812MW07	812MW07
Date Collected			1/11/2006	4/12/2006	7/14/2006	10/26/2006	10/26/2006	1/11/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.09	60149.09	60318.09	60467.05	60467.03	70017.09	70153.09	70277.09
VOCs										
1,1,1-Trichloroethane	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	µg/L	ND	ND	ND	ND	ND	ND	ND	1.21 J
2-Butanone	300	µg/L	2.51	20.19	30.05	2.76	2.33	ND	ND	ND
Acetone	6000	µg/L	2.54	ND	ND	2.90 B	2.58 B	2.49 B	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NLE	µg/L	ND	ND	ND	1.59 J	1.52 J	0.80 J	ND	2.28
Methylene chloride	3	µg/L	ND	ND	1.14 J	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	ND	ND	0.78 J	6.4	5.72	ND	ND	ND
TICs*	500	µg/L	ND	4	ND	ND	ND	ND	4	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Ground water quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-7
Ground Water Sampling Results
Site 812 MW07 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	32	33	34
WELL ID			812MW07	812MW07	812MW07	812MW07	812MW07
Date Collected			10/17/2007	2/20/2008	4/9/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.09	80051.09	80120.09	80256.09	80383.09
VOCs							
1,1,1-Trichloroethane	30	µg/L	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	µg/L	7.14	ND	1.16 J	12.02	5.0
2-Butanone	300	µg/L	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND
Chloroethane	NLE	µg/L	ND	ND	ND	4.58	1.89 J
Methylene chloride	3	µg/L	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND
Toluene	600	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-8
Ground Water Sampling Results
Site 812 MW08 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	9	10
WELL ID			812MW08	812MW08	812MW08	812MW08	812MW08	812MW08	812MW08	812MW08	812MW08	MW08Duplicate	812MW08
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	8/23/2002	11/7/2002
ANALYTE / Lab ID			5710.08	5924.11	16012.08	16205.08	16419.08	16619.08	20083.08	20365.08	20608.08	20608.03	20792.08
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND
SVOCs													
Diethylphthalate	5000	µg/L	ND	ND	ND	ND	2.12	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	14	ND	ND	99	6	5	5	6	29	16	25
Pesticides/PCBs													
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	7.08	ND	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	74.5	76.1	82.2	64.8	84.9	80.4	74.5	67.2	70.1	21.1	75.1
Beryllium	20	µg/L	ND	ND	ND	ND	0.566	ND	0.593	ND	0.674	ND	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	ND	2.61	2.9	0.794	5.42	3.6	5.23	6.05	12.1	ND	2.28
Copper	1000	µg/L	ND	ND	22.0	8.76	10.3	7.29	8.41	4.71	11.6	3.59	8.57
Lead	10	µg/L	ND	ND	5.0	ND	2.28	1.41	1.17	ND	2.76	ND	1.16
Mercury	2	µg/L	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	13.4	10.2	15.0	8.45	13.5	10.5	10.4	12.8	11.8	ND	15.1
Selenium	50	µg/L	ND	ND	ND	10.4	ND	ND	3.5	6.55	3.84	ND	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA- Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-8
Ground Water Sampling Results
Site 812 MW08 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	11	12	13	13	14	14	15	16	17	18
WELL ID			812MW08	812MW08	812MW08	MW08Duplicate	812MW08	MW08Duplicate	812MW08	812MW08	812MW08	812MW08
Date Collected			2/21/2003	5/15/2003	8/21/2003	8/21/2003	10/22/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	10/28/2004
ANALYTE / Lab ID			30075.07	30227.08	30532.08	30532.03	30672.08	30672.03	40057.10	40280.10	40520.10	40751.07
VOCs												
2-Butanone	300	µg/L	ND	ND	ND	ND	3.85	3.41	10.62	ND	ND	ND
Acetone	700	µg/L	ND	ND	4.06	4.13	5.52	5.59	5.22 B	ND	ND	ND
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND	ND	3.06	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	0.46 J	ND	ND	ND
TICs*	500	µg/L	ND	4	4	10	ND	ND	ND	ND	ND	ND
SVOCs												
Diethylphthalate	5000	µg/L	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TICs*	500	µg/L	17	23	22	21	17	18	NA	NA	NA	NA
Pesticides/PCBs												
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Metals												
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Arsenic	8	µg/L	2.40 ER	ND	ND	ND	ND	ND	NA	NA	NA	NA
Barium	2000	µg/L	848	49.7	90.8	92.6	106	104	NA	NA	NA	NA
Beryllium	20	µg/L	ND	ND	0.899	0.897	0.915	0.813	NA	NA	NA	NA
Cadmium	4	µg/L	0.675 ER	ND	0.561 ER	0.566 ER	0.486 ER	ND	NA	NA	NA	NA
Chromium	100	µg/L	3.15 ER	3.5 ER	4.19 ER	2.7 ER	3.89 ER	3.05 ER	NA	NA	NA	NA
Copper	1000	µg/L	10.5	7.17	19.1	16.6	3.27 ER	4.25 ER	NA	NA	NA	NA
Lead	10	µg/L	18.9	1.67 ER	3.02 ER	2.52 ER	2.68 ER	1.66 ER	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	0.23 ER	0.21 ER	0.17 ER	0.17 ER	NA	NA	NA	NA
Nickel	100	µg/L	14.9	11.9	17.4	17.1	18.2	17.7	NA	NA	NA	NA
Selenium	50	µg/L	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA- Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-8
Ground Water Sampling Results
Site 812 MW08 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	19	19	20	21	22
WELL ID			812MW08	MW08Duplicate	812MW08	812MW08	812MW08
Date Collected			1/12/2005	1/12/2005	4/12/2005	7/6/2005	10/26/2005
ANALYTE / Lab ID			50019.10	50019.03	50198.10	50337.10	50553.10
VOCs							
2-Butanone	300	µg/L	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND
Carbon disulfide	NLE	µg/L	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	1.57 J	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND
SVOCs							
Diethylphthalate	5000	µg/L	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA
Pesticides/PCBs							
alpha-Chlordane	NLE	µg/L	NA	NA	NA	NA	NA
gamma-Chlordane	NLE	µg/L	NA	NA	NA	NA	NA
Metals							
Antimony	20	µg/L	NA	NA	NA	NA	NA
Arsenic	8	µg/L	NA	NA	NA	NA	NA
Barium	2000	µg/L	NA	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA
Lead	10	µg/L	NA	NA	NA	NA	NA
Mercury	2	µg/L	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA
Selenium	50	µg/L	NA	NA	NA	NA	NA
Thallium	10	µg/L	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

J - Estimated concentration exceeds the MDL and is less than the RL

ER - Estimated result

NA- Not analyzed

ND - Analyte not detected in sample

NLE - No limit established

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-8
Ground Water Sampling Results
Site 812 MW08 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	24	25	25	26	26	27	27	28
WELL ID			812MW08	812MW08	MW08Duplicate	812MW08	MW08Duplicate	812MW08	MW08Duplicate	812MW08	MW08Duplicate	812MW08
Date Collected			1/11/2006	4/12/2006	4/12/2006	7/14/2006	7/14/2006	10/25/2006	10/25/2006	1/11/2007	1/11/2007	4/30/2007
ANALYTE / Lab ID			60025.1	60149.1	60149.03	60318.1	60318.03	60465.08	60465.03	70017.10	70017.03	70153.10
VOCs												
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	4	4	ND	ND	ND	ND	ND	ND	3

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Ground water quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

NA- Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-8
Ground Water Sampling Results
Site 812 MW08 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	29	29
WELL ID			812MW08	MW08Duplicate
Date Collected			7/24/2007	7/24/2007
ANALYTE / Lab ID			70277.10	70277.03
VOCs				
2-Butanone	300	µg/L	ND	ND
Acetone	6000	µg/L	ND	ND
Carbon disulfide	700	µg/L	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND
TICs*	500	µg/L	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Ground water quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

NA- Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-8
Ground Water Sampling Results
Site 812 MW08 (Oct07-Oct09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	31	31	32	33	34
WELL ID			812MW08	812MW08	MW08Duplicate	812MW08	812MW08	812MW08
Date Collected			10/17/2007	2/20/2008	2/20/2008	4/9/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.10	80051.10	80051.03	80120.10	80256.10	80383.10
VOCs								
2-Butanone	300	µg/L	ND	ND	NA	ND	ND	ND
Acetone	6000	µg/L	ND	ND	NA	ND	ND	ND
Carbon disulfide	700	µg/L	ND	ND	NA	ND	ND	ND
Methyl *tert* -butyl ether	70	µg/L	ND	ND	NA	0.42 J	ND	ND
Tetrachloroethylene	1	µg/L	ND	ND	NA	ND	ND	ND
TICs*	500	µg/L	ND	ND	NA	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

J - Estimated concentration exceeds the MDL and is less than the RL

NA- Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-9
Ground Water Sampling Results
Site 812 MW09 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	8	9
WELL ID			812MW09	812MW09	812MW09	812MW09	812MW09	812MW09	812MW09	812MW09	MW09Duplicate	812MW09
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	6/13/2002	8/23/2002
ANALYTE / Lab ID			5710.09	5924.12	16012.09	16205.09	16419.09	16619.09	20083.09	20365.09	20365.03	20608.09
VOCs												
Trichlorofluoromethane	NLE	µg/L	ND	1.36	3.89	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	**140**	**180**	ND	**110**	42	85	68	ND	ND
SVOCs												
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35
Dibenzofuran	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	2.23	ND	ND	ND	ND	ND
Napthalene	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	17	10	ND	**120**	6	ND	5	4	27	46
Pesticides/PCBs												
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.003	ND	ND	ND
Metals												
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	2.69	ND
Arsenic	8	µg/L	ND	ND	ND	3.46	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	122	97.5	98.5	106	112	117	103	96.2	23.8	96.2
Beryllium	20	µg/L	ND	ND	ND	0.633	0.815	0.867	0.812	0.818	ND	0.926
Cadmium	4	µg/L	ND	0.592	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	ND	5.38	2.7	2.04	4.65	6.65	3.45	11.3	1.62	6.94
Copper	1000	µg/L	ND	ND	447.0	ND	7.43	178	4.85	2.8	6.54	3.51
Lead	10	µg/L	ND	ND	59.0	ND	2.32	22.4	ND	ND	ND	ND
Mercury	2	µg/L	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	21.5	19.8	41.0	21.1	24.5	35.0	22.9	20.3	ND	22.0
Selenium	50	µg/L	ND	ND	ND	8.77	ND	ND	11.5	7.34	ND	6.32
Thallium	10	µg/L	ND	ND	ND	ND	ND	3.46	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-9
Ground Water Sampling Results
Site 812 MW09 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	10	10	11	12	13	14
WELL ID			812MW09	MW09Duplicate	812MW09	812MW09	812MW09	812MW09
Date Collected			11/7/2002	11/7/2002	2/21/2003	5/15/2003	8/21/2003	10/22/2003
ANALYTE / Lab ID			20792.09	20792.03	30075.05	30227.09	30532.09	30672.09
VOCs								
Trichlorofluoromethane	NLE	µg/L	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	85	22	ND	65
SVOCs								
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND
Dibenzofuran	NLE	µg/L	ND	ND	ND	ND	1.24 J	1.14 J
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	ND	ND
Napthalene	NLE	µg/L	ND	ND	ND	ND	1.16 J	ND
TICs*	500	µg/L	24	24	16	20	21	ND
Pesticides/PCBs								
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND
Metals								
Antimony	20	µg/L	6.20	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	94.4	91.8	90.7	115	114	103
Beryllium	20	µg/L	0.743	0.688	ND	0.644	0.819	0.859
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	12.3	9.3	1.74 ER	3.69 ER	3.37 ER	4.25 ER
Copper	1000	µg/L	5.77	8.19	3.96 ER	5.54	2.94 ER	0.901 ER
Lead	10	µg/L	1.30	ND	ND	ND	ND	ND
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND
Nickel	100	µg/L	19.7	19.2	17.4	19.4	17.1	17.1
Selenium	50	µg/L	4.46	5.52	ND	ND	ND	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-10
Ground Water Sampling Results
Site 812 MW-10 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	7	8	9	10
WELL ID			812MW10	812MW10	812MW10	812MW10	812MW10	812MW10	812MW10	MW10Duplicate	812MW10	812MW10	812MW10
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	2/8/2002	6/13/2002	8/23/2002	11/7/2002
ANALYTE / Lab ID			5710.10	5924.13	16012.10	16205.10	16419.10	16619.10	20083.10	20083.03	20365.10	20608.10	20792.10
VOCs													
2-Butanone	300	µg/L	ND	5.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	10.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	µg/L	ND	ND	1.81	2.86	4.17	5.72	6.26	6.12	2.9	ND	ND
TICs*	500	µg/L	ND	42	**180**	ND	**290**	**260**	**930**	**900**	**566**	ND	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.43	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	1.89	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	9.0	ND	ND	16	6	4	7	8	4	45	29
Pesticides/PCBs													
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.006	0.006	ND	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	2.39	ND	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	141	112	114.0	109	110	107	89.9	91.2	80.1	78.7	81.3
Beryllium	20	µg/L	0.846	0.613	ND	0.534	0.684	0.845	0.606	0.620	ND	0.75	ND
Cadmium	4	µg/L	0.575	ND	ND	ND	ND	0.608	ND	ND	ND	ND	ND
Chromium	100	µg/L	ND	1.20	0.8	1.11	4.67	20.2	3.80	3.54	1.41	2.36	1.03
Copper	1000	µg/L	14.3	61.9	5.0	ND	20.9	13.6	3.53	6.97	ND	4.13	3.11
Lead	10	µg/L	ND	17.0	3.0	ND	3.45	4.76	ND	ND	ND	2.13	ND
Mercury	2	µg/L	ND	ND	ND	0.19	0.29	ND	0.29 B	0.15	ND	ND	ND
Nickel	100	µg/L	18.1	17.5	19.0	14.8	16.4	18.4	14.2	13.8	12.6	12.2	11.3
Selenium	50	µg/L	ND	ND	ND	10.4	ND	ND	5.67	7.27	9.54	4.09	4.65
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-10
Ground Water Sampling Results
Site 812 MW-10 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	11	12	13	14
WELL ID			812MW10	812MW10	812MW10	812MW10
Date Collected			2/21/2003	5/15/2003	8/21/2003	10/22/2003
ANALYTE / Lab ID			30075.04	30227.10	30532.10	30672.10
VOCs						
2-Butanone	300	µg/L	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND
Trichlorofluoromethane	NLE	µg/L	1.01 J	ND	ND	ND
TICs*	500	µg/L	**560**	**159**	**178**	ND
SVOCs						
Bis(2-ethylhexyl) phthalate	30	µg/L	1.91 J	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND
TICs*	500	µg/L	32	19	24	25
Pesticides/PCBs						
alpha-Chlordane	NLE	µg/L	ND	ND	ND	ND
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND
Metals						
Antimony	20	µg/L	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND
Barium	2000	µg/L	77.9	70.5	88.6	89.3
Beryllium	20	µg/L	ND	ND	0.589	0.736
Cadmium	4	µg/L	0.615 ER	0.666 ER	0.416 ER	ND
Chromium	100	µg/L	1.74 ER	1.98 ER	2.25 ER	2.15 ER
Copper	1000	µg/L	16.8	8.23	6.2	2.31 ER
Lead	10	µg/L	ND	1.07 ER	ND	1.12 ER
Mercury	2	µg/L	ND	ND	ND	0.19 ER
Nickel	100	µg/L	12.5	11.4	13.5	13.6
Selenium	50	µg/L	ND	ND	5.1 ER	ND
Thallium	10	µg/L	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

NLE - No limit established

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-11
Ground Water Sampling Results
Site 812 MW-11 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			812MW11	812MW11	812MW11	812MW11	812MW11	812MW11	812MW11	812MW11	812MW11	812MW11	812MW11
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002	3/7/2003
ANALYTE / Lab ID			5710.11	5924.14	16012.11	16205.11	16419.11	16619.11	20083.11	20365.11	20608.11	20792.11	30101.07
VOCs													
Acetone	700	µg/L	ND	ND	9.74	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	1.76	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	1.98	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	49.0	ND	ND	4	5	5	6	5	54	35	53
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	2.0	7.7	ND	3.51	3.83	6.37	3.86	ND	ND
Barium	2000	µg/L	19.9	12.8	11.5	15	7.80	10.2	5.84	5.19	11.5	11.0	10.9
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	4	µg/L	ND	ND	1.9	2.83	20800	1.1	0.851	1.28	ND	0.876	0.81 ER
Chromium	100	µg/L	ND	7.30	4.9	ND	1.97	0.796	1.86	ND	1.89	ND	1.93 ER
Copper	1000	µg/L	ND	314	17.0	4.37	30.9	15.2	12.4	4.34	4.03	ND	9.14
Lead	10	µg/L	ND	54.9	7.0	ND	5.74	1.35	ND	ND	1.86	ND	2.05 ER
Mercury	2	µg/L	ND	ND	ND	0.11	ND	ND	0.37 B	ND	ND	ND	ND
Nickel	100	µg/L	ND	14.8	4.0	ND	ND	ND	ND	ND	1.18	ND	1.62 ER
Selenium	50	µg/L	ND	ND	ND	3.6	ND	ND	8.95	5.29	ND	ND	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

ND - Analyte not detected in sample

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-11
Ground Water Sampling Results
Site 812 MW-11 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	12	13	14
WELL ID			812MW11	812MW11	812MW11
Date Collected			5/15/2003	8/21/2003	10/22/2003
ANALYTE / Lab ID			30227.11	30532.11	30672.11
VOCs					
Acetone	700	µg/L	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND
SVOCs					
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND
TICs*	500	µg/L	18	10	19
Pesticides/PCBs					
gamma-Chlordane	NLE	µg/L	ND	ND	ND
Metals					
Antimony	20	µg/L	ND	ND	ND
Arsenic	8	µg/L	ND	ND	5.97
Barium	2000	µg/L	9.16	13.1	15.2
Beryllium	20	µg/L	ND	0.106 ER	0.26 ER
Cadmium	4	µg/L	0.954 ER	1.51 ER	0.657 ER
Chromium	100	µg/L	2.75 ER	9.09	1.8 ER
Copper	1000	µg/L	2.46 ER	ND	ND
Lead	10	µg/L	1.54 ER	1.65 ER	2.47 ER
Mercury	2	µg/L	ND	ND	ND
Nickel	100	µg/L	2.64 ER	0.904 ER	1.51 ER
Selenium	50	µg/L	ND	ND	ND
Thallium	10	µg/L	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

ND - Analyte not detected in sample

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-12
Ground Water Sampling Results
Site 812 MW-12 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	2	3	4	5	6	7	8	9	10
WELL ID			812MW12	812MW12	MW12Duplicate	812MW12	812MW12	812MW12	812MW12	812MW12	812MW12	812MW12	812MW12
Date Collected			9/14/2000	12/27/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002
ANALYTE / Lab ID			5710.12	5924.15	5924.03	16012.12	16205.12	16419.12	16619.12	20083.12	20365.12	20608.12	20792.12
VOCs													
2-Butanone	300	µg/L	ND	7.84	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	14.31	ND	7.53	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	62	33	29	ND	ND	36	14	22	ND	3	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND
TICs*	500	µg/L	80.0	11	ND	ND	28	ND	5	6	5	31	55
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	3.13	ND	ND	ND	ND	ND	ND
Barium	2000	µg/L	40.9	32.3	35.8	40.3	47.1	38.8	38.8	52.2	52.7	50.1	47.8
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	0.567	0.675	1.16	ND	ND
Chromium	100	µg/L	ND	ND	ND	1.8	0.573	1.44	5.05	2.86	1.51	1.22	1.17
Copper	1000	µg/L	ND	ND	103	3.0	ND	10.5	4.18	98.2	3.50	7.80	4.81
Lead	10	µg/L	ND	ND	16.5	4.0	2.29	4.14	5.67	8.59	4.94	3.28	1.39
Mercury	2	µg/L	ND	ND	ND	ND	0.47	0.12	ND	0.30 B	ND	ND	ND
Nickel	100	µg/L	ND	ND	2.96	6.0	2.64	3.95	4.53	9.28	5.08	4.79	4.03
Selenium	50	µg/L	ND	ND	ND	ND	9.83	ND	ND	8.49	11.3	3.34	6.65
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-12
Ground Water Sampling Results
Site 812 MW-12 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	11	11	12	13	14
WELL ID			812MW12	MW12Duplicate	812MW12	812MW12	812MW12
Date Collected			3/7/2003	3/14/2003	5/15/2003	8/21/2003	10/22/2003
ANALYTE / Lab ID			30101.08	30101.03	30227.12	30532.12	30672.12
VOCs							
2-Butanone	300	µg/L	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	137	ND	ND	ND	ND
SVOCs							
Bis(2-ethylhexyl) phthalate	30	µg/L	2.45 J	1.91 J	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	12	12	14	34	20
Pesticides/PCBs							
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND
Metals							
Antimony	20	µg/L	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	4.12 ER
Barium	2000	µg/L	39.5	37.6	52.2	36.2	45.8
Beryllium	20	µg/L	ND	ND	ND	0.301 ER	0.637
Cadmium	4	µg/L	1.15 ER	0.591 ER	ND	ND	0.721 ER
Chromium	100	µg/L	1.09 ER	ND	ND	ND	1.07 ER
Copper	1000	µg/L	5.02	2.69 ER	4.11 ER	1.27 ER	3.72 ER
Lead	10	µg/L	5.38	ND	ND	ND	4.1 ER
Mercury	2	µg/L	ND	ND	ND	ND	ND
Nickel	100	µg/L	4.69 ER	3.86 ER	3 ER	1.96 ER	3.17 ER
Selenium	50	µg/L	ND	ND	4.91 ER	ND	ND
Thallium	10	µg/L	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/22/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-13
Ground Water Sampling Results
Site 812 MW-13 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			812MW13	812MW13	812MW13	812MW13	812MW13	812MW13	812MW13	812MW13	812MW13	812MW13	812MW13
Date Collected			9/14/2000	12/27/2000	3/23/2001	6/22/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002	8/23/2002	11/7/2002	3/7/2003
ANALYTE / Lab ID			5710.13	5924.16	16012.13	16205.13	16419.13	16619.13	20083.13	20365.13	20608.13	20792.13	30101.09
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.68 J
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.71 J
Diethyl phthalate	5000	µg/L	ND	ND	ND	ND	1.68	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	88.0	ND	ND	8	23	5	6	13	33	40	19
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND
Metals													
Antimony	20	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.70 ER
Barium	2000	µg/L	112	129	116.0	59.5	97.2	116	123	113	91.0	113	87.0
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	0.655	ND	ND	0.559	ND
Cadmium	4	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26 ER
Chromium	100	µg/L	ND	2.14	8.8	2.75	6.86	6.79	1.85	2.8	1.31	3.55	2.61 ER
Copper	1000	µg/L	ND	ND	8.0	2.93	24.8	6.9	12.4	82.5	11.1	6.49	18.9
Lead	10	µg/L	ND	ND	4.0	ND	3.09	2.43	1.20	6.14	1.2	ND	2 ER
Mercury	2	µg/L	ND	0.2	ND	ND	ND	ND	0.33 B	ND	ND	ND	ND
Nickel	100	µg/L	14.5	18.6	24.0	10.1	15.9	21.6	23.0	22.2	19.3	20.7	11.7
Selenium	50	µg/L	ND	ND	ND	7.73	ND	ND	8.16	4.49	4.47	4.67	5.72 ER
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-13
Ground Water Sampling Results
Site 812 MW-13 (Sept00-Oct03)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	12	13	14
WELL ID			812MW13	812MW13	812MW13
Date Collected			5/15/2003	8/21/2003	10/22/2003
ANALYTE / Lab ID			30227.13	30532.13	30672.13
VOCs					
Acetone	700	µg/L	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND
SVOCs					
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND
Diethyl phthalate	5000	µg/L	ND	ND	ND
TICs*	500	µg/L	23	39	24
Pesticides/PCBs					
gamma-Chlordane	NLE	µg/L	ND	ND	ND
Metals					
Antimony	20	ug/L	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND
Barium	2000	µg/L	91.8	140	170
Beryllium	20	µg/L	ND	0.868	1.2
Cadmium	4	µg/L	ND	0.42 ER	ND
Chromium	100	µg/L	1.46 ER	2.55 ER	3.38 ER
Copper	1000	µg/L	4.57 ER	5.63	5.87
Lead	10	µg/L	1.39 ER	1.03 ER	4.31 ER
Mercury	2	µg/L	ND	ND	ND
Nickel	100	µg/L	16.3	22.7	27.2
Selenium	50	µg/L	ND	ND	ND
Thallium	10	µg/L	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ER - Estimated result

J - Estimated concentration exceeds the MDL and is less than the RL

ND - Analyte not detected in sample

Sampling for VOCs, SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-14
Ground Water Sampling Results
Site 812 MW-14 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	1	1	2	3	4	4	5	5	6	7	8
WELL ID			812MW14	MW14Duplicate	812MW14	812MW14	812MW14	MW14Duplicate	812MW14	MW14Duplicate	812MW14	812MW14	812MW14
Date Collected			9/14/2000	9/14/2000	12/27/2000	3/23/2001	6/22/2001	6/22/2001	9/7/2001	9/7/2001	12/3/2001	2/8/2002	6/13/2002
ANALYTE / Lab ID			5710.14	5710.14	5924.17	16012.14	16205.14	16205.03	16419.14	16419.03	16619.14	20083.14	20365.14
VOCs													
2-Butanone	300	µg/L	ND	ND	5.79	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	12.62	8.80	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.05	ND
Di-*n* -octyl phthalate	100	µg/L	ND	ND	2.68	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	75.0	14.0	ND	ND	36	ND	4	8	5	5	5
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004	ND
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	2.06	ND	ND	ND	ND	ND	ND
Arsenic	8	µg/L	ND	ND	ND	ND	5.09	3.15	3.03	3.2	ND	ND	ND
Barium	2000	µg/L	82.8	84.6	39.2	113.0	137	134	123	126	115	75.2	52.9
Beryllium	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	4	µg/L	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND
Chromium	100	µg/L	3.22	ND	ND	10.9	5.3	4.23	2.19	3.07	3.54	1.87	2.07
Copper	1000	µg/L	ND	ND	ND	6.0	ND	6.16	3.5	11.2	2.8	2.36	3.48
Lead	10	µg/L	ND	4.90	ND	5.0	ND	ND	1.5	ND	1.74	ND	ND
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.76 B	ND
Nickel	100	µg/L	1.67	ND	ND	8.0	5.67	5.94	9.09	9.43	11.1	4.58	2.8
Selenium	50	µg/L	ND	ND	ND	ND	8.26	4.89	ND	ND	ND	7.42	6.39
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-14
Ground Water Sampling Results
Site 812 MW-14 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	9	10	11	12	12	13	14	15	16	17	18
WELL ID			812MW14	812MW14	812MW14	812MW14	MW14Duplicate	812MW14	812MW14	812MW14	812MW14	812MW14	812MW14
Date Collected			8/23/2002	11/7/2002	2/21/2003	5/15/2003	5/15/2003	8/21/2003	10/22/2003	1/22/2004	4/22/2004	7/14/2004	10/28/2004
ANALYTE / Lab ID			20608.14	20792.14	30075.06	30227.14	30227.03	30532.14	30672.14	40057.11	40280.11	40520.11	40758.03
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Bis(2-ethylhexyl) phthalate	30	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Di-*n* -octyl phthalate	100	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
TICs*	500	µg/L	28	39	64	14	10	33	15	NA	NA	NA	NA
Pesticides/PCBs													
gamma-Chlordane	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Metals													
Antimony	20	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Arsenic	8	µg/L	2.61	2.53	ND	ND	ND	ND	ND	NA	NA	NA	NA
Barium	2000	µg/L	71.5	24.6	43.5	256	258	94.7	57.9	NA	NA	NA	NA
Beryllium	20	µg/L	ND	ND	ND	ND	ND	0.261 ER	0.327 ER	NA	NA	NA	NA
Cadmium	4	µg/L	ND	ND	ND	0.636 ER	0.645 ER	0.415 ER	ND	NA	NA	NA	NA
Chromium	100	µg/L	0.861	12.1	6.33	19.6	15.8	9.0	8.99	NA	NA	NA	NA
Copper	1000	µg/L	ND	3.09	3.29 ER	7.28	5.34	6.99	1.75 ER	NA	NA	NA	NA
Lead	10	µg/L	1.14	ND	ND	2.89 ER	1.26 ER	ND	2.14 ER	NA	NA	NA	NA
Mercury	2	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Nickel	100	µg/L	5.01	1.58	2.86 ER	6.8	6.56	2.7 ER	2.3 ER	NA	NA	NA	NA
Selenium	50	µg/L	5.17	4.25	ND	10.4 ER	8.48 ER	ND	ND	NA	NA	NA	NA
Thallium	10	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-14
Ground Water Sampling Results
Site 812 MW-14 (Sept00-Oct05)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	19	20	20	21	22
WELL ID			812MW14	812MW14	MW14Duplicate	812MW14	812MW14
Date Collected			1/12/2005	4/12/2005	4/12/2005	7/6/2005	10/26/2005
ANALYTE / Lab ID			50019.11	50198.11	50198.03	50337.11	50553.11
VOCs							
2-Butanone	300	µg/L	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND
SVOCs							
Bis(2-ethylhexyl) phthalate	30	µg/L	NA	NA	NA	NA	NA
Di-*n* -octyl phthalate	100	µg/L	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA
Pesticides/PCBs							
gamma-Chlordane	NLE	µg/L	NA	NA	NA	NA	NA
Metals							
Antimony	20	µg/L	NA	NA	NA	NA	NA
Arsenic	8	µg/L	NA	NA	NA	NA	NA
Barium	2000	µg/L	NA	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA
Lead	10	µg/L	NA	NA	NA	NA	NA
Mercury	2	µg/L	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA
Selenium	50	µg/L	NA	NA	NA	NA	NA
Thallium	10	µg/L	NA	NA	NA	NA	NA

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (January 7, 1993)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

B - Compound detected in the sample and its associated blank sample

ER - Estimated result

NA - Not analyzed

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-14
Ground Water Sampling Results
Site 812 MW-14 (Jan06-Jul07)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	23	24	25	26	27	28	29
WELL ID			812MW14	812MW14	812MW14	812MW14	812MW14	812MW14	812MW14
Date Collected			1/11/2006	4/12/2006	7/14/2006	10/25/2006	1/11/2007	4/30/2007	7/24/2007
ANALYTE / Lab ID			60025.11	60149.11	60318.11	60467.06	70017.11	70153.11	70277.11
VOCs									
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	4	ND	ND	ND	3	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Ground water quality criteria as per N.J.A.C. 7:9-6 (November 7, 2005)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-14
Ground Water Sampling Results
Site 812 MW-14 (Oct07-Apr09)
Fort Monmouth, New Jersey

Round No.	**NJDEP Criteria	Units	30	30	31	32	33	33	34
WELL ID			812MW14	MW14Duplicate	812MW14	812MW14	812MW14	MW14Duplicate	812MW14
Date Collected			10/17/2007	10/17/2007	2/20/2008	4/9/2008	7/25/2008	7/25/2008	10/22/2008
ANALYTE / Lab ID			70397.11	70397.03	80051.11	80120.11	80256.11	80256.03	80383.11
VOCs									
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND

Notes:

*TICs - Tentatively identified compounds, cannot exceed 500 ppb for VOCs and SVOCs. No individual compound can exceed 100 ppb.

**NJDEP Groundwater quality criteria as per N.J.A.C. 7:9-6 (July 27, 2007)

Exceedances of NJDEP Groundwater quality criteria are shaded and bold

ND - Analyte not detected in sample

Sampling for SVOCs, Pesticides/PCBs, and Metals were discontinued after the 10/20/03 sampling event as per NJDEP approval dated (November 2004)

Table 5-15
Ground Water Exceedance Summary
Site 812
Fort Monmouth, New Jersey

Analyte	GWQS	Field ID	Round	Date Collected	Lab Sample ID	Result
VOCs						
Benzene	**1.0**	**812MW04**	#18	10/28/2004	30672.04	**3.28**
			#18 (Duplicate)	10/28/2004	40751.04	**2.82**
			#20	4/12/2005	50198.06	**1.98 J**
			#22	10/26/2005	50553.06	**1.77 J**
			#22 (Duplicate)	10/26/2005	50553.03	**1.79 J**
			#24	4/12/2006	60149.06	**1.5 J**
			#30	10/17/2007	70397.06	**2.8**
			#33	7/25/2008	80256.06	**1.49 J**
			#34	10/22/2008	80383.06	**2.19**
		812MW05	#21	7/6/2005	50337.07	**1.02 J**
1,1,1-Trichloroethane	**30.0**	**812MW05**	#16	4/22/2004	40280.07	**32.95**
			#17	7/14/2004	40520.07	**38.23**
			#19	1/12/2005	50019.07	**32.14**
			#20	4/12/2005	50198.07	**48.92**
Vinyl Chloride	**5.0**	**812MW04**	#14	10/22/2003	30672.04	**44.28**
			#18	10/28/2004	40751.04	**47.06**
			#18 (Duplicate)	10/28/2004	40751.03	**49.43**
			#19	1/12/2005	50019.06	**30.64**
			#20	4/12/2005	50198.06	**31.84**
			#22	10/26/2005	50553.06	**42.61**
			#22 (Duplicate)	10/26/2005	50553.03	**41.93**
	1.0		#23	1/11/2006	60025.06	**1.31 J**
			#25	7/14/2006	60318.06	**8.82**
			#26	10/25/2006	60465.06	**17.17**
			#27	1/11/2007	70017.06	**1.98 J**
			#33	7/25/2008	80256.06	**22.47**
			#34	10/22/2008	80383.06	**40.41**
Carbon Tetrachloride	**2.0**	**812MW05**	#16	4/22/2004	40280.07	**4.69**
			#17	7/14/2004	40520.07	**4.82**
			#19	1/12/2005	50019.07	**4.83**
			#20	4/12/2005	50198.07	**6.96**
Metals						
Arsenic	**8.0**	**812MW04**	#14	10/22/2003	30672.04	**10.1**
		812MW07	#14	10/22/2003	30672.07	**8.49**

All results are in micrograms per liter (µg/l).
VOCs = Volatile Organic Compounds.
J - Estimated Concentration observed greater than the MDL and less than the RL.
GWQS - Ground Water Quality Standard

Table 5-16
VOC Tentatively Identified Compounds (TICs)
Site 812
Fort Monmouth, New Jersey

	Well:	812MW01	812MW02	812MW03	812MW04	812MW05	812MW06	812MW07	812MW08	812MW09	812MW10	812MW11	812MW12	812MW13	812MW14
Round	**Date**														
14	**Oct-03**	ND	ND	ND	130/10	9/3	ND	ND	ND	65/1	ND	ND	ND	ND	ND
15	**Jan-04**	ND	ND	NS	ND	5/1	ND	8/1	ND	NS	NS	NS	NS	NS	ND
16	**Apr-04**	ND	ND	NS	94/8	5/1	ND	ND	ND	NS	NS	NS	NS	NS	ND
17	**Jul-04**	ND	ND	NS	ND	15/2	ND	ND	ND	NS	NS	NS	NS	NS	ND
18	**Oct-04**	ND	ND	NS	**979/10**	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
19	**Jan-05**	ND	ND	NS	**609/10**	21/3	ND	ND	ND	NS	NS	NS	NS	NS	ND
20	**Apr-05**	15/2	ND	NS	**937/10**	23/4	ND	4/1	ND	NS	NS	NS	NS	NS	ND
21	**Jul-05**	ND	ND	NS	ND	80/10	3/1	ND	ND	NS	NS	NS	NS	NS	ND
22	**Oct-05**	ND	ND	NS	**558/10**	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
23	**Jan-06**	ND	ND	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
24	**Apr-06**	4/1	4/1	NS	283/10	4/1	4/1	4/1	4/1	NS	NS	NS	NS	NS	4/1
25	**Jul-06**	ND	ND	NS	16/3	20/2	ND	ND	ND	NS	NS	NS	NS	NS	ND
26	**Oct-06**	ND	ND	NS	123/9	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
27	**Jan-07**	ND	ND	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
28	**Apr-07**	6/1	6/1	NS	4/1	4/1	3/1	4/1	3/1	NS	NS	NS	NS	NS	3/1
29	**Jul-07**	ND	ND	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
30	**Oct-07**	ND	ND	NS	**400/15**	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
31	**Feb-08**	ND	ND	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
32	**Apr-08**	ND	ND	NS	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
33	**Jul-08**	ND	ND	NS	133/14	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND
34	**Oct-08**	ND	ND	NS	104/15	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND

Notes:
Exceedances are bolded and shaded.
Exceedances are based on 100 µg/L for individual TIC concentrations and 500 µg/L for Total TICs concentrations.
Results are given as Total TIC concentrations/# TICs.
ND = Not Detected.

Table 5-17
Relative Percent Difference Calculations - Ground Water
Site 812 (4th Quarter 2003 through 4th Quarter 2008)
Fort Monmouth, NJ

Round 14A **Q4 2003** **812MW01** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	Average All RPDs
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 14B **Q4 2003** **812MW08** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
2-Butanone	3.41	3.85	3.63	0.44	12.12%	
Acetone	5.59	5.52	5.555	0.07	1.26%	
				Average	**6.69%**	**6.69%**

Round 15B **Q1 2004** **812MW04** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
Acetone	1.4	2.38	1.89	0.98	51.85%	
Ethylbenzene	0.95	1.02	0.985	0.07	7.11%	
Toluene	0.34	0.36	0.35	0.02	5.71%	
Vinyl chloride	3.79	4.06	3.925	0.27	6.88%	
m+p-Xylenes	1.48	1.48	1.48	0	0.00%	
o-Xylene	1.03	1.06	1.045	0.03	2.87%	
				Average	**12.40%**	**12.40%**

Round 16 **Q2 2004** **812MW04** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
Acetone	6.17	4.01	5.09	2.16	42.44%	
				Average	**42.44%**	**42.44%**

Round 17 **Q3 2004** **812MW04** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
Acetone	8.68	7.34	8.01	1.34	16.73%	
				Average	**16.73%**	**16.73%**

Round 18A **Q4 2004** **812MW04** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
Acetone	4.24	3.38	3.81	0.86	22.57%	
Benzene	2.82	3.28	3.05	0.46	15.08%	
Ethylbenzene	70.48	77.15	73.815	6.67	9.04%	
Toluene	41.17	45.7	43.435	4.53	10.43%	
trans-1,2-Dichloroethylene	2.04	2.55	2.295	0.51	22.22%	
Vinyl chloride	67.95	76.04	71.995	8.09	11.24%	
m+p-Xylenes	147.24	161.19	154.215	13.95	9.05%	
o-Xylene	111.64	120.76	116.2	9.12	7.85%	
Styrene	3.1	0.22	1.66	2.88	173.49%	
				Average	**31.22%**	**31.22%**

Table 5-17
Relative Percent Difference Calculations - Ground Water
Site 812 (4th Quarter 2003 through 4th Quarter 2008)
Fort Monmouth, NJ

Round 18B **Q4 2004** **812MW04** **Sample Multiplier: 5**

	Field Duplicate	Sample	Average	Difference	RPD	
Benzene	1.73	2.19	1.96	0.46	23.47%	
Ethylbenzene	45.34	50.49	47.915	5.15	10.75%	
Toluene	22.87	31.87	27.37	9	32.88%	
Vinyl chloride	49.43	47.06	48.245	2.37	4.91%	
m+p-Xylenes	90.07	100.73	95.4	10.66	11.17%	
o-Xylene	69.8	78.10	73.95	8.3	11.22%	
				Average	**15.74%**	**15.74%**

Round 19 **Q1 2005** **812MW08** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 20 **Q2 2005** **812MW14** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 20 **Q3 2005** **812MW04** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
MTBE	0.3	1.56	0.93	1.26	135.48%	
				Average	**135.48%**	**135.48%**

Round 22A **Q4 2005** **812MW04** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
Benzene	1.79	1.77	1.78	0.02	1.12%	
cis-1,2-Dichloroethylene	0.45	0.51	0.48	0.06	12.50%	
Ethylbenzene	50.96	50.43	50.695	0.53	1.05%	
Toluene	28.61	27.07	27.84	1.54	5.53%	
trans-1,2-Dichloroethylene	1.53	1.54	1.535	0.01	0.65%	
Vinyl chloride	41.93	42.61	42.27	0.68	1.61%	
m+p-Xylenes	108.29	97.56	102.925	10.73	10.43%	
o-Xylene	81.28	78.83	80.055	2.45	3.06%	
				Average	**4.49%**	**4.49%**

Round 22A **Q4 2005** **812MW04** **Sample Multiplier: 5**

	Field Duplicate	Sample	Average	Difference	RPD	
Benzene	1.31	1.67	1.49	0.36	24.16%	
Ethylbenzene	41.27	48.96	45.115	7.69	17.05%	
Toluene	21.29	26.59	23.94	5.3	22.14%	
Vinyl chloride	33.25	37.84	35.545	4.59	12.91%	
m+p-Xylenes	68.57	92.15	80.36	23.58	29.34%	
o-Xylene	58.40	71.76	65.08	13.36	20.53%	
				Average	**21.02%**	**21.02%**

Table 5-17
Relative Percent Difference Calculations - Ground Water
Site 812 (4th Quarter 2003 through 4th Quarter 2008)
Fort Monmouth, NJ

Round 23 **Q1 2006** **812MW06** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 24 **Q2 2006** **812MW08** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 25 **Q3 2006** **812MW08** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 26A **Q4 2006** **812MW06** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 26B **Q4 2006** **812MW07** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
2-Butanone	2.33	2.76	2.545	0.43	16.90%	
Acetone	2.58	2.90	2.74	0.32	11.68%	
Chloroethane	1.52	1.59	1.555	0.07	4.50%	
Toluene	5.72	6.40	6.06	0.68	11.22%	
				Average	**11.07%**	**11.07%**

Round 27 **Q1 2007** **812MW08** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 28 **Q2 2007** **812MW01** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 29 **Q3 2007** **812MW08** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Table 5-17
Relative Percent Difference Calculations - Ground Water
Site 812 (4th Quarter 2003 through 4th Quarter 2008)
Fort Monmouth, NJ

Round 30 **Q4 2007** **812MW14** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 31 **Q1 2008** **812MW08** **Duplicate Not Analyzed**

Round 32 **Q2 2008** **812MW01** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 33 **Q3 2008** **812MW14** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 34 **Q4 2008** **812MW01** **Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	RPD	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Minimum All Relative Percent Differences	**0.00%**
Average All Relative Percent Differences	**12.39%**
Maximum All Relative Percent Differences	**135.48%**

FD=Field Duplicate

* Method Detection Limit used for non-detect result.

Appendix A

Versar, Inc., June 2001, *Final Remedial Investigation Report & Remedial Action Work Plan, Site 812, Fort Monmouth, New Jersey*

(This report is supplied on disc only.)

FINAL

Remedial Investigation Report
And
Remedial Action Workplan

Site 812

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

Directorate of Public Works

June 2001

2558 Pearl Buck Road, Suite 1
Bristol, Pennsylvania 19007

Contract No. DACA51-00-D-0004
Delivery Order No. 5

United States Army

Fort Monmouth, New Jersey

FINAL

Remedial Investigation Report and Remedial Action Workplan

Site 812

JUNE 2001

CERTIFICATION

For: Remedial Action Workplan, Site 812,
Fort Monmouth, New Jersey

" I certify under penalty of law that the information provided in this document is true, accurate, and complete to the best of my knowledge. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Joseph Fallon
Environmental Protection Specialist

Name, Title	Signature	Date

" I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete to the best of my knowledge. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Stephen N. Wood LTC, MI
Garrison Commander

Name, Title	Signature	Date

This Remedial Action Workplan for Site 812, Fort Monmouth, New Jersey has been reviewed and approved.

Ian Curtis, Case Manager
NJDEP, Bureau of Case Management

Name, Title	Signature	Date

FINAL

REMEDIAL INVESTIGATION REPORT
&
REMEDIAL ACTION WORKPLAN

SITE 812

PREPARED FOR:

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

PREPARED BY:

2558 PEARL BUCK ROAD
SUITE 1
BRISTOL, PA 19007

JUNE 2001

VERSAR PROJECT NO. 104936.4936.105

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EXECUTIVE SUMMARY

Versar, Inc. (Versar) is supporting the United States (U.S.) Army Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Monmouth County, New Jersey by preparing a Remedial Investigation Report (RIR) and Remedial Action Workplan (RAW) for Site 812. Site 812 is the reported location and surrounding vicinity of a former gasoline station (designated as Site 812) that was identified as an area of potential environmental concern during an internal DPW review of historical aerial photographs and site records. This report describes the results of site investigation (SI) and remedial investigation (RI) activities conducted to determine the potential environmental impacts (if any) from past operations conducted at Site 812. The RIR/RAW is based on work performed by Versar in the summer of 2000 and TECOM-Vinnell Services (TVS) in 1999 and 2000.

Site 812 is located in the south-central portion of the Main Post of Fort Monmouth and encompasses approximately 2.75 acres. Site 812 was not initially identified as a suspected hazardous waste site at Fort Monmouth in the Installation Assessment Report prepared in 1980 by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) (USATHAMA, 1980). This report identified sites with known or suspected waste materials and waste generating activities at the facility and formed a basis for environmental assessment/investigation at Fort Monmouth.

Since specific historical information was not available regarding previous operations and conditions at Site 812, the aerial photograph historical and site record review was used to establish a basis for proposed environmental investigation efforts at Site 812. The photograph and records review had identified a number of former structures and areas of potential concern including several areas of disturbed soil, a coal storage yard, railroad tracks of the Central New Jersey Railroad, and suggestions of a former gasoline station.

An SI was initiated in September 1999 with the installation of soil borings B-1 through B-5 utilizing a mobile GeoProbe® to evaluate the observed locations of previous site structures/areas of disturbance. Soil and aqueous samples were collected from the boring locations and analyzed for volatile organic compounds (VOC), including methyl-tert butyl ether (MTBE), methyl-tert-butyl alcohol (MTBA), and lead as potential contaminants of concern (COC) associated with the suggested gasoline station location. Lead was detected in a soil sample collected from Boring B-5 above the respective New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC) and the aqueous sample collected from Boring B-5 detected VOC above respective NJDEP Ground Water Quality Criteria (GWQC). An expanded SI was then conducted proximate to the Boring B-5 location on 9 December 1999 and seven soil samples and one aqueous sample were collected and analyzed for VOC, semi-volatile compounds (SVOC), pesticides, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. In addition, the collected soil samples were also analyzed for Total Petroleum Hydrocarbons (TPHC). VOC, SVOC, TPHC, pesticides, and metals were all detected in the soil samples, but not above the respective RDCSCC. VOC, SVOC and metals were detected in the aqueous samples, with VOC and metals detected above the respective GWQC.

An RI approach was then established based upon the NJDEP Technical Requirements for Site

Remediation (NJAC 7:26) that included the installation of additional soil borings. The borings were located on an expanded sampling grid with 30-foot centers based on the findings of the SI, the historical aerial photograph and records review, and the presence of underground utilities to provide further delineation of the initially identified area as well as surrounding areas that now encompass principally parking lots.

During the RI (December 10, 1999 through February 2000), soil borings at 162 locations were advanced in a phased approach by TVS utilizing a mobile GeoProbe®. The collected soil samples were analyzed for VOC and TPHC. No VOC were found in exceedence of the respective NJDEP RDCSCC. However, in seven of the samples, concentrations of TPHC were detected above the 1,000 milligrams per kilogram (mg/Kg) or parts per million (ppm) criteria for Total VOC, but below the 10,000 ppm standard for Total Organic Compounds (TOC). These samples ranged in depth from 1.5 feet (ft) to 5 ft below ground surface (bgs), and were randomly distributed among the borings. No specific source area of contamination or potential COC were identified as a result of the soils investigation. Because no specific VOC were identified in the soil samples, the TPHC detections are unimportant.

During the RI investigation, 163 groundwater grab samples were also collected from the soil borings within the expanded sampling grid and submitted for VOC analysis. Fifteen VOC were detected; ten were identified at concentrations above their respective NJDEP GWQC. Based on the GeoProbe® groundwater investigation conducted during the SI and the RI, VOC contamination, and specifically the Boring B-5 location, was identified for further evaluation in the planned groundwater monitoring well program.

To evaluate the groundwater conditions at Site 812, fourteen (14) groundwater monitoring wells designated as MW-1 through MW-14 were installed during April and May 2000. The well locations were selected based on the results of the GeoProbe® soil and groundwater investigation and site history. Monitoring wells MW-1, MW-2 and MW-3 were installed as deep wells ranging in depth from 50 ft to 52 ft bgs. Monitoring wells MW-4 through MW-14 were then installed as shallow wells ranging in depth from 7 ft to 19 ft bgs. MW-1 and MW-4 (one deep and one shallow well) were placed in close proximity to Boring Location B-5. Two rounds of groundwater samples (May and June 2000) were collected from the fourteen monitoring wells and analyzed for VOC, SVOC, pesticides/PCB, and metals. Slug tests were also performed on several of the wells to determine the characteristics of the shallow groundwater beneath Site 812. In summary, no PCB/pesticides or SVOC were detected above the respective NJDEP GWQC. However, 13 metals were detected above respective GQWC and VOC were detected above respective GWQC at the three distinct locations. Eight VOC (benzene, 1,1-dichloroethene, cis- and trans-1,2-dichloroethene, 1,1,1-trichloroethane, tetrachloroethene, trichloroethene, and vinyl chloride) were detected above the respective GWQC in well MW-4 and concentrations of 1,1,1-trichloroethane were detected in wells MW-5 and MW-7 exceeding the respective GWQC. Eight VOC were then identified as COC at Site 812: 1,1-dichloroethene, benzene, cis-1,2-dichloroethene, tetrachloroethene, trans-1,2-dichloroethene, trichloroethene, vinyl chloride (VC), and 1,1, 1-trichloroethane.

Based on the results of the RI, three (3) areas of concern at Site 812 were evident. The first area (Area 1), and the area of most concern, is proximate to monitoring wells MW-1, MW-4 and Boring B-5, and encompasses approximately 1,400 square ft (sq ft). To a lesser degree of

concern is Area 2, which is proximate to monitoring well MW-5 and Boring B-8, encompassing approximately 875 sq ft. Area 3, which is proximate to monitoring well MW-7, encompasses approximately 500 sq ft. Although these areas all have contaminants in groundwater that exceed the NJDEP GWQC, only Area 1 significantly exceeds the standards (by several orders of magnitude). Additionally, based on the soil and groundwater data, it is apparent that the Area 1 COC plume (1,2-dichloroethene) is isolated and unrelated to the COC plume (1,1,1-trichloroethane) present in Areas 2 and 3.

The extent of Area 1 contamination is likely confined to a small area in the upper 5 to 10 ft of soil and groundwater. A groundwater sample collected below this area (MW-1) had no detectable concentrations of chlorinated organic compounds. The lateral extent of contamination is also minimal since soil borings on the periphery of Area 1 (less than 20 ft from the area inclusive of borings B-42, B-44, B-46, B-59) are not impacted.

Monitoring wells MW-5 and MW-7 (Areas 2 and 3) have each been impacted by the same contaminant (1,1,1-trichloroethane), potentially the result of the same source material. Through natural degradation or dilution, the low-level contamination in these areas is predicted to quickly degrade to concentrations below New Jersey GWQC. Based on the results of borings proximate to MW-5 and MW-7, it is unlikely that the extent of contamination extends significantly beyond the actual sampling locations of MW-5 and MW-7.

The results of the groundwater monitoring program show that VOC concentrations have decreased over time and have not migrated off-site. The fact that there is no increase in concentrations of the contaminants detected above the GWQC with time indicates that no new sources of contamination have impacted the plume. It should be noted that groundwater is the only apparent media that has been impacted. Soils appear relatively clean suggesting a small source area of contamination.

A search of the comprehensive well database maintained by the NJDEP's Well Permitting and Regulations Section of the Bureau of Water Allocation, performed as part of the RIR/RAW, did not identify public supply, public non-community, or non-public [supply] wells within one mile of Site 812. Further, there are no domestic, irrigation, industrial, or supply wells existing within the boundaries of Site 812. Since no groundwater use is occurring or is anticipated to occur, the groundwater beneath Site 812 was not considered a groundwater use area.

The necessity of treatment of soil and/or groundwater at the three identified locations is arguable based on the low contaminant concentrations. However, in a proactive effort to augment the natural attenuation/contaminant degradation process, Fort Monmouth is proposing to implement a remedial action for the groundwater at Site 812. The focus of potential remedial alternatives will target MW-4 (Area 1) and the potential migration of COC to the north, i.e., in the direction of groundwater flow.

The following remedial action objectives were established for Site 812:

- Groundwater monitoring should be continued to demonstrate contaminant degradation due to ongoing natural attenuation.
- The natural attenuation occurring at the Site should be evaluated against the implementation of potentially applicable remedial technologies to enhance/accelerate the natural remediation process and/or more directly mitigate the residual levels of VOC.

The following remedial action alternatives/in-situ technologies were evaluated within the RAW: Chemical treatment – Hydrogen Release Compound (HRC); Fenton Reagents; bioremediation; and Monitored Natural Attenuation.

The DPW proposes to implement HRC injection at the three established "hot spot" areas to directly enhance/accelerate the naturally occurring in-situ anaerobic bioremediation at Site 812 and retard the generation and extent of vinyl chloride (VC) migration in the groundwater, a natural degradation product of the chlorinate organics. HRC will be injected at 57 locations to a depth of 4-8 ft bgs in treatment grids centered on the three monitoring wells (MW-4, MW-5, and MW-7). By reducing the source of contaminants, the volume and migration of generated degradation products, specifically VC, will also be reduced. In addition, to maintain subsurface anaerobic conditions within the treatment area, an upgradient injection of HRC will be performed approximately 30 days following the initial HRC application. Quarterly groundwater monitoring of MW-01 through MW-08 and MW-12 through MW-14 will be continued following the initial HRC injection. Furthermore, one or more additional downgradient monitoring wells will be located near Husky Brook and incorporated into the groundwater sampling program to monitor performance of the remedial action and retardation of the COC. The monitoring wells will be sampled for VOC+15 and TAL metals. Based on the results of the soil investigations, no additional soil sampling is proposed.

Twelve months after the initial HRC injection, the results and findings of the Remedial Action will be reviewed and four potential follow-on scenarios evaluated:

1. No Further Action may be proposed;
2. Further source area treatment i.e., a second HRC injection, may be performed;
3. If the Class III-A aquifer designation is applicable, establishment of Alternate groundwater quality criteria may need to be developed; and/or
4. If it is determined that the Class II GWQC are applicable, establishment of a Classification Exception Area (CEA) may be proposed.

Site 812 exists within the boundary of Fort Monmouth, and as such, is a Federal facility with controlled access. The DPW will continue to maintain a groundwater use restriction within the impacted area. The DPW is the lead agency for all land use issues at Fort Monmouth. The Installation Master Plan resides in the Engineering Services and Planning Division of the DPW. There are no additional institutional controls proposed as part of this Remedial Action. By submittal of this Report, Fort Monmouth is requesting written approval for the proposed remedial action at Site 812, and for Permit-by-Rule approval for the proposed HRC application in the three "hot spot" areas of the site and discharge to groundwater.

SECTION 1.0
INTRODUCTION

1.1 OVERVIEW

VERSAR, Inc. (Versar) has been contracted by the United States (U.S.) Army Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Fort Monmouth, New Jersey to prepare a Remedial Investigation Report (RIR) and Remedial Action Workplan (RAW) for Site 812, based on work performed by Versar in the summer of 2000 and TECOM-Vinnell Services (TVS) in the Fall of 1999 through February 2000.

This report describes the results of site investigation (SI) and remedial investigation (RI) activities conducted at the reported location of a former gasoline station and surrounding vicinity (designated as Site 812) to determine the potential environmental impacts (if any) from past operations conducted at the site. Site 812 is located on the south-central portion of the Main Post of Fort Monmouth. Site 812 was identified as an area of potential environmental concern during an internal DPW review of historical aerial photographs and site records. This report has been prepared in partial fulfillment of Contract No. DACA 51-00-D-004, Delivery Order No. 0005.

1.2 SITE DESCRIPTION

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia **(Figure 1**). In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and 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 (WW I) as an Army Signal Corps training center. The Main Post currently provides administrative, training, and housing support functions, as well as providing many of the community facilities for Fort Monmouth. The primary mission of Fort Monmouth is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). CECOM is a major subordinate command of the U.S. Army Materiel Command (AMC) and is the host tenant at Fort Monmouth.

Site 812 is located in the south-central portion of the Main Post near the Main Street entrance to Fort Monmouth and encompasses approximately 2.75 acres. Site 812 is bordered by Murphy Drive to the east and south and to the northwest by an access road and Building 1000 (the Post Exchange or PX) and Building 1001 (the Four Seasons Store). "Building" 812, the Army Community Service Center and associated parking areas currently occupy the area defined as Site 812. **Appendix A** contains photographs of Site 812.

Specific historical information is not available regarding previous operations and conditions at Site 812. Reportedly, Site 812 is the former location of a gasoline station with underground fuel storage. Site 812 was not identified as a suspected hazardous waste site at Fort Monmouth in the Installation Assessment Report prepared in 1980 by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) (USATHAMA, 1980). This report identified sites with

known or suspected waste materials at the Fort Monmouth facility. Furthermore, Site 812 was not identified or addressed in the Site Investigation (SI) Report prepared by Roy F. Weston, Inc. (WESTON) for the Main Post and Charles Wood Areas of Fort Monmouth (WESTON, 1995). As previously discussed, Site 812 was identified as an area of potential environmental concern during an internal DPW review of historical aerial photographs and site records.

1.3 REPORT ORGANIZATION

This report has been prepared in accordance with the New Jersey Department of Environmental Protection (NJDEP) Technical Requirements for Site Remediation (New Jersey Administrative Code (NJAC) Chapter 7:26E et seq.) The report is presented as follows:

Section 1 – Introduction
Section 2 – Technical Overview
Section 3 – Remedial Investigation Report
Section 4 – Remedial Action Workplan.
Section 5 – References

The Tables and Figures to this Report are located following the body of the text. Appendices to this report contain copies of Fort Monmouth Standard Operating Procedures (SOPs) used in performing the RI activities, copies of boring and monitoring well logs installed at Site 812, the evaluation of slug tests performed at selected wells, the results of a sensitive receptor survey and well search, and the Analytical Data Packages for the laboratory analyses conducted in support of the RI.

SECTION 2.0
TECHNICAL OVERVIEW

2.1 HISTORIC INFORMATION

Reportedly, Site 812 is the former location of a gasoline station with underground fuel storage. Site 812 was not initially identified as a suspected hazardous waste site in the Installation Assessment Report prepared for Fort Monmouth in 1980 by USATHAMA (USATHAMA, 1980). This report identified sites with known or suspected waste materials and waste generating activities at the facility and formed a basis for environmental assessment/investigation at Fort Monmouth. Site 812 was also not identified or addressed in the SI Report prepared for the Main Post and Charles Wood Areas of Fort Monmouth (WESTON, 1995). To establish a basis for proposed environmental investigation efforts at Site 812, a review was conducted of historical aerial photographs and site records. **Appendix A** contains annotated copies of two historical photographs of areas encompassing Site 812. The photograph and records review identified a number of former structures and areas of potential concern including several areas of disturbed soil, a coal storage yard, railroad tracks of the Central New Jersey Railroad, and suggestions of a former gasoline station. A more detailed review of historic aerial photographs of Fort Monmouth and the area encompassed by Site 812 (now principally parking areas) was then conducted in support of the RIR. A summary of this historical aerial photograph and records review is presented below.

2.1.1 Historical Aerial Photograph Review

Eight aerial photographs were obtained and reviewed at the NJDEP archives in Trenton, New Jersey to evaluate historic information relative to environmental conditions at Site 812. The following years were reviewed: 1940, 1947, 1951, 1951 1957, 1961, 1971, and 1987. The scales of the photographs depicting Site 812 during the years 1940 through 1971were approximately one inch equal to 16,000 ft. The photograph depicting Site 812 circa 1987 was reviewed at a scale of one inch equal to 400 ft. **Figure 2a** is a representation of the findings of the historical aerial photograph review.

None of the present day structures appeared in the earliest photograph review (i.e., 1940). The entire site was vegetated and appeared undisturbed with the exception of a lineation (i.e., outline of an image) that ran in a north-south direction, possibly intersecting the location of the present day footprint of Building 812. This lineation appears as either an access road or perhaps a small drainage swale. However, based on the scale of the photograph, it was difficult to differentiate.

By 1947, Building 812 had been constructed and appeared in its present day configuration. No other buildings existed on the site at that time. The lineation observed in the 1940 photograph was not observed, suggesting possible backfilling of a swale or drainage easement proximate to Building 812. Building 812 remained in its present day configuration in the 1951 aerial photo. A second structure was present approximately 120 ft west of Building 812. Just to the southeast of this building was a concrete pad or similar structure with some type of surface structure. The

purpose of this structure could not be determined because of the scale of the photograph. The 1954 photograph was unchanged.

The structure west of Building 812 (the rectangular building) had a new addition attached to the east side of the building in the 1957 photograph. The concrete pad southeast of this structure identified on the 1951 photograph had disappeared. By 1961, the addition on the east side of the building was gone, but two large objects (each about twice the size of a car) are evident west of Building 812. The 1971 photo showed that all the structures, with the exception of Building 812, were gone. Disturbed soil was evident in the area of the former rectangular building west of Building 812. Paving was evident around most of the site. Between 1971 and 1987, site improvements continued, and the site appeared as it does today. No significant differences were observed.

2.1.2 Previous Site Reports

A previous report regarding Building 812 entitled, *Underground Storage Tank Closure and Site Investigation Report – Building 812,* prepared by SMC Environmental Services Group (SMC, a wholly-owned subsidiary of Versar) (SMC, 1998) was identified and reviewed. This document reported that on April 27, 1998, a fiberglass underground storage tank (UST) located on the east side of Building 812 (see **Figure 2**) was closed by removal in accordance with NJDEP UST closure procedures. The NJDEP Registration No. 0081533-133 for this UST identified a 2,000-gallon capacity No. 2 fuel oil tank.

The post-excavation soil sampling results did not identify contaminated soils with Total Petroleum Hydrocarbon (TPHC), VOC, or SVOC concentrations exceeding the various NJDEP criteria at the former location of the UST or associated piping. No further action was proposed regarding the UST closure and site assessment and a Closure Approval Letter, dated 24 February 2000 was received from the NJDEP. There is no perceived or implied association between the locations of this UST and the environmental conditions at Site 812 addressed within this report.

2.2 PHYSICAL SETTING

The following is a description of the geological/hydrogeological setting of the area surrounding Site 812. Included is a description of the regional geology of the area surrounding Fort Monmouth, as well as descriptions of the local geology and hydrogeology of the Main Post area. A geological map of New Jersey is provided as **Figure 3.**

2.2.1 Geology

<u>Regional Geology and Local Geology</u>

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. The M-12 Restoration site is located in what is referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands. The geologic map of New Jersey is provided as **Figure (3)**.
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 (ft) per mile and are 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. The individual thicknesses for these units varies greatly (i.e., from several ft to several hundred ft). The Coastal Plain deposits thicken to the southeast from the Fall Line (i.e., a boundary zone between older, resistant rocks and younger, softer plain sediments) to greater than 6,500 ft in Cape May County (Brown and Zapecza, 1990).

Based on the regional geologic map (Jablonski, 1968), the Cretaceous-age Red Bank Sand and Tinton Sand, and the Tertiary-age Hornerstown Sand crop out at the Main Post area. The Red Bank Sand conformably overlies the Navesink Formation and dips to the southeast at 35 ft per mile. The upper member (Shrewsbury) of the Red Bank Sand is a yellowish-gray to reddish brown clayey, medium-to-coarse-grained sand that contains abundant rock fragments, minor mica and glauconite. The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica, and glauconite. The Navesink Formation, which crops out approximately four miles northwest of the Main Post, is a dark grayish-black clayey glauconitic sand which conformably overlies the Mount Laurel Sand.

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).

The Hornerstown Sand unconformably overlies the Red Bank Sand and dips to the southeast at 50 to 60 feet per mile. The Hornerstown Sand consists of a dark green clayey glauconitic sand.

The Tertiary-age Kirkwood and Vincentown Formations crop out approximately two miles south of the Main Post. The Vincentown Formation contains a lower member which is a greenish-gray glauconitic sand and an upper member which ranges from sand to clayey limestone. The Kirkwood Formation consists of alternating layers of sand and clay. The Vincentown and Kirkwood Formations dip to the southeast at approximately 20 and 27 feet per mile, respectively (Jablonski, 1968).

The geologic formations that outcrop at the Fort Monmouth Army Base (the Tinton and Red Bank Sands, and the Hornerstown Formation), along with the Navesink Formation are part of the Composite Confining Unit that overlies the Wenonah-Mount Laurel Aquifer (Zapecza, 1990). A cross section of the New Jersey Coastal plain that shows these formations is presented in **Figure (4)**.

2.2.2 Soils

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service, Monmouth County Soil Survey, the majority of the Main Post is covered by urban land. The soil survey 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 indicates that the natural subsurface soils have largely been replaced with artificial or foreign fill materials (developed land with disturbed soils). The following soil series and classification units are mapped in the Main Post area:

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

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

Boring and monitoring well logs (**Appendix C**) installed at Site 812 describe the soils to consist of earthen cover underlain by fill material. The fill material consists of debris mixed with organic material and silty clayey sandy soil. The fill is underlain by natural soil consisting of low permeability silty, clayey sand.

2.2.3 Hydrogeology

<u>Regional Hydrogeology</u>

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 "composite confining units," or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation, and the basal clay of the Kirkwood Formation. These geologic formations form 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 ft bgs). Water in the surficial aquifer flows east toward the Atlantic Ocean.

Local Hydrogeology

Boring and monitoring well logs (**Appendix C**) installed at Site 812 describe the soils to consist of earthen cover underlain by fill material. The fill material consists of debris mixed with organic material and silty clayey sandy soil. The fill is underlain by natural soil consisting of low permeability silty, clayey sand.

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

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

Due to the fluvial nature of the overburden deposits (i.e., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. Based on groundwater depth measurements in the monitoring wells at Site 812, the groundwater flow near Site 812 was determined to be to the north.

Aquifer Classification

A review of the NJDEP Groundwater Quality Standards (NJAC 7:9-6), January 7, 1993, indicates that the site is underlain by a Class III-A aquifer. 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 uses. For an area to be classified as a Class III-A aquifer, the groundwater must meet the following characteristics:

- Class III-A groundwater 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 (NJAC 7:9-6.5):
- The average thickness of a Class III-A area must be at least 50 feet

- Typical hydraulic conductivity of a Class II-A aquifer is approximately 0.1 ft/day or less
- The areal 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 (5)**, 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.
- **Figure (5)** 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 yield a geometric mean of 0.12 feet per day, which is consistent with an aquitard.
- The area of Fort Monmouth is greater than 100 acres.

Therefore, based on regulatory criteria, published geologic information, and as site-specific conditions, Site 812 is underlain by a Class III-A aquifer (i.e., an aquitard).

2.2.4 Topography

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities by the military. The land surface at the Main Post is relatively flat and ranges in elevation from 4 ft above mean sea level (msl) in the east at Oceanport Creek to 32 ft above msl at the western end of the post, near Highway 35. According to the U.S. Geological Survey (USGS) topographic map (USGS, 1981), and site-specific elevation data from the monitoring wells and soil boring program, land surface elevation near Site 812 is approximately +15 to +22 ft above msl.

2.2.5 Surface Water and Wetlands

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

The U.S. Fish and Wildlife Service (FWS) National Wetland Inventory, Long Branch quadrangle maps indicate the presence of wetlands at the Main Post. Parkers and Oceanport Creeks are classified as estuarine intertidal aquatic beds. The area of Parkers Creek and the part of

Oceanport Creek/Husky Brook are classified as estuarine intertidal emergent wetlands. Lafetra Creek and Mill Creek are classified as riverine lower perennial open water/unknown bottom.

No surface water bodies (i.e., creeks, ponds, wetlands, etc.) traverse Site 812.

2.3 SITE INVESTIGATION SUMMARY

2.3.1 Reliability and Quality of Laboratory Analytical Data

All soil and water samples were analyzed at the Fort Monmouth Environmental Laboratory, a New Jersey certified laboratory (Certification No. 13461). Data validation indicates that analytical data is of acceptable quality and reliability. The data reports indicate that the appropriate analytical methods were used, holding times were not exceeded, and duplicate and blank analyses showed good reproducibility. The method detection limits achieved by the laboratory for the various analytes are below regulatory criteria. Based on this quality assurance review, all data has been validated and can be considered reliable.

2.3.2 Contamination Summary

The initial historical photograph and records review had identified a number of former structures and areas of potential concern including several areas of disturbed soil, a coal storage yard, railroad tracks, and suggestions of a former gasoline station. Evidence of several former structures and areas of disturbance were also identified during the historical aerial review conducted as part of this RIR.

At Site 812, the areas of concern appear to be the soils and underlying groundwater. Potential COC are those that are associated with the suggested gasoline station (VOC and metals). This background data formed the basis for the environmental investigation program at Site 812.

2.3.3 Significant Events/Seasonal Variation

There were no significant events that influenced sampling procedures during the SI and the RI. The analytical results show no discernable seasonal variation. It should be noted that although tidal influences are evident in the tributaries near Site 812, it is unlikely that significant tidal effects exist in site-specific groundwater elevations.

2.4 TREATABILITY, BENCH-SCALE AND PILOT-SCALE STUDIES

There were no treatability, bench-scale, or pilot-scale studies done in support of the RI for Site 812. However, hydraulic conductivity tests were conducted to assist in the evaluation of potential remedial technologies/alternatives.

2.5 DEVELOPMENT OF PERMIT LIMITATIONS

Data has not been collected, to date, to develop permit limitations in support of proposed remedial actions for Site 812.

2.6 ECOLOGICAL ASSESSMENT SUMMARY

No streams, ponds, or other surface water habitats exist within the boundaries of the Site 812 area. In addition, based on the extent of the contamination discussed in this Report, it is unlikely that any contamination has migrated, or will migrate, beyond the boundaries of Site 812. Ecological assessments were not done as part of the RI of Site 812.

SECTION 3.0
REMEDIAL INVESTIGATION REPORT

3.1 INVESTIGATION APPROACH

Environmental investigations were implemented at Site 812 to determine the potential impacts (if any) from past operations conducted in and around Site 812, and if identified, to delineate the extent of soil and groundwater contamination and determine the need for further action. An SI was initiated at Site 812 in September 1999 with the installation of soil borings utilizing a mobile GeoProbe® to evaluate the locations of previous site structures/areas of disturbance identified during the historical aerial photograph and records review. Soil and groundwater grab samples were collected from the boring locations and analyzed for VOC, including methyl-tert butyl ether (MTBE) and methyl-tert-butyl alcohol (MTBA), and lead as potential COC associated with the suggested gasoline station location. An expanded SI was then conducted on at the Boring B-5 location on 9 December 1999 and additional soil and aqueous samples were collected and analyzed for an expanded list of parameters, including TPHC (soils only), VOC, SVOC, PCB, and Target Analyte List (TAL) metals.

An RI approach was then established based upon the findings of the SI and the NJDEP Technical Requirements for Site Remediation (NJAC 7:26) that encompassed the installation of additional soil borings within an expanded sampling grid utilizing a refined list of analytical parameters. The borings were located on 30 ft centers based on the findings of the SI, the historical aerial photograph and records review, and the presence of underground utilities to provide further delineation of the initially identified area as well as surrounding areas that now encompassed principally parking lots. The intent of the sampling was to obtain a complete soil column from 0-6 inches bgs to the observed water table. A 4-ft split-spoon soil sample was obtained and screened visually and by using a photoionization detector (PID)/flame-ionization detector (FID). If contamination was observed or detected by field instrumentation, a sample was collected. If nothing was visually observed or detected by field screening, a sample was obtained just above the water table. Groundwater monitoring wells were then located based upon the findings of the GeoProbe® investigation and installed and sampled in May and June 2000. Slug tests were performed on several of the wells to determine the characteristics of the shallow groundwater beneath Site 812.

The RI activities at Site 812 were managed by the DPW and performed by TVS and Versar. The RI was initiated on 10 December 1999 and field work continued through June 2000. All analyses were performed and reported by the Fort Monmouth Environmental Laboratory, a NJDEP-certified testing laboratory (Certification No. 13461). All sampling was performed in accordance with the methods described in the NJDEP Field Sampling Procedures Manual. Sampling frequency and parameters analyzed complied with the NJDEP Technical Requirements for Site Remediation. Fort Monmouth SOPs for the performance of GeoProbe® investigations and groundwater sampling are provided in **Appendix B.**

Analytical results were first compared to the respective method detection limit (MDL) and the Maximum Background Concentrations (MBC) established for the Main Post at Fort Monmouth (where applicable and appropriate). Analytical results that exceeded the MDL and the MBC

(where applicable and appropriate) were then compared to the respective NJDEP criteria.

3.2 SITE AND REMEDIAL INVESTIGATION ACTIVITIES

3.2.1 GeoProbe® Investigation

During the RI, soil borings at 162 locations were advanced in a phased approach by TVS utilizing a mobile GeoProbe®. The collected soil samples were analyzed for VOC and TPHC. Between December 10, 1999 and February 2000, one hundred sixty three (163) soil borings were advanced by TVS utilizing a mobile GeoProbe®. The locations of the soil borings are presented on **Figure 4** and are designated as B-0, B-1 through B-162 (excluding B-83 and B-158), B-1A through B-5A, and 161A.(1) Drilling locations were chosen based on the findings of the historical aerial photograph review and underground utilities. Retained soil samples were visually classified at the time of the drilling program. Changes in the soil strata, such as color, consistency, texture, and grain-size were recorded with depth. Boring logs from the GeoProbe® investigation are presented in **Appendix C**. In addition, groundwater samples (referred to as aqueous samples on the tables and figures) were collected as grab samples from the GeoProbe® borings and submitted for analysis.

The findings of the GeoProbe® soils and groundwater investigation are summarized below.

3.2.1.1 Soils

An SI was initiated in September 1999 with the installation of soil borings B-1 through B-5 utilizing a mobile GeoProbe® to evaluate the observed locations of previous site structures/areas of disturbance. These five borings were positioned to evaluate the locations of previous site structures/unknown objects identified during the review of historical aerial photographs (see **Figure 2a**). Six soils samples were collected from the five borings and analyzed for VOC, including methyl-tert butyl ether (MTBE) and methyl-tert-butyl alcohol (MTBA), and lead representing the potential contaminants associated with a former gasoline station (i.e., leaded gasoline). Two VOC were detected, and only at Boring B-5, cis-1,2-dichloroethene at 3.7 m/Kg and tetrachloroethene (PCE) at 0.47 mg/Kg. The two detections were below the respective RDCSCC of 79 mg/Kg for cis-1,2-dichloroethene and 4 mg/Kg for PCE. Lead was detected at Boring B-2 at 5.47 mg/Kg, at Boring B-4 at 5.66 mg/Kg, and at Boring B-5 at 601.75 mg/Kg. The detection at Boring B-5 exceeded the RDCSCC for lead of 400 mg/Kg, but this single exceedance is less than one order of magnitude greater than the RDCSCC. The sampling depths and analytical results for analytes with detections above the respective analytical MDL are presented in **Table 1.** The analytical results for each sample detected above the respective RDCSCC have then been **bolded** in **Table 1**. The analytical data packages are provided in **Appendix G** (under separate cover).

An expanded SI was then conducted at the Boring B-5 location on 9 December 1999 to more completely evaluate soil conditions at this location by depth. Seven additional soil samples were collected from the following sample depths: 0-0.5 ft, 1–1.5 ft, 2-2.5 ft, 3-3.5 ft, 4-4.5 ft. 5-5.5 ft, and 6-6.5 ft and analyzed for VOC, semi-volatile organic compounds (SVOC),

(1) Boring B-5 required a second advancement because of a broken sample container from the original B-5 boring.

pesticides/polychlorinated biphenyls (PCB), TPHC, and metals. Three VOC were detected in the seven samples: chloroform, cis-1,2-dichloroethene, and methylene chloride. Chloroform was detected in three samples ranging from 0.29 to 0.33 mg/Kg, below the RDCSCC of 19 mg/Kg. Cis-1,2-Dichloroethene was detected in one sample at 0.37 mg/Kg, below the RDCSCC of 79 mg/Kg. Methylene chloride was detected in two soil samples at 0.92 mg/Kg and 2.2 mg/Kg, below the RDCSCC of 49 mg/Kg. No VOC are identified as COC.

Four SVOC were detected in seven soil samples: bis(2-ethylhexyl)phthalate, chrysene, di-n-butylphthalate, and pyrene. Bis(2-Ethylhexyl)phthalate was detected in all seven soil samples ranging from 0.17 to 0.55 mg/Kg, below the RDCSCC of 49 mg/Kg. Chrysene was detected in one soil sample at 0.11 mg/Kg, below the RDCSCC of 9 mg/Kg. Di-n-Butylphthalate was detected in all seven soil samples ranging from 0.14 mg/Kg to1.2 mg/Kg, below the RDCSCC of 5,700 mg/Kg. Pyrene was detected in two soil samples at 0.13 and 0.15 mg/Kg, below the RDCSCC of 1,700 mg/Kg. No SVOC are identified as COC.

TPHC was detected only at the 6-6.5 ft sampling depth at 294.86 mg/Kg, which is below both the NJDEP criteria for Total VOC of 1,000 mg/Kg or parts per million (ppm) and 10,000 ppm for Total Organic Compounds (TOC). Three pesticides were detected in the seven soils samples: 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT. 4,4'-DDD was detected in four samples ranging from 0.004 mg/Kg to 0.011 mg/Kg, below the RDCSCC of 3 mg/Kg. 4,4'-DDE was detected in four samples ranging from 0.004 mg/Kg to 0.01 mg/Kg, below the RDCSCC of 2 mg/Kg. 4,4'-DDT was detected in four samples ranging from 0.020 mg/Kg to 0.054 mg/Kg, below the RDCSCC of 2 mg/Kg. No PCB were detected in the seven soil samples. TPHC, Pesticides, and PCBs are not identified as COC.

Twenty metals were detected in each of the seven soil samples: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, sodium, vanadium, and zinc. Aluminum was detected ranging from 6,620 mg/Kg to 12,700 mg/Kg, there is no RDCSCC for aluminum. Antimony was detected ranging from 1.32 mg/Kg to 3.61 mg/Kg, below the RDCSCC of 14 mg/Kg. Arsenic was detected ranging from 4.89 mg/Kg to 13.8 mg/Kg, below the RDCSCC of 20 mg/Kg. Barium was detected ranging from 16.6 mg/Kg to 44.7 mg/Kg, below the RDCSCC of 700 mg/Kg. Beryllium was detected ranging from 0.694 mg/Kg to 1.25 mg/Kg, below the RDCSCC of 2 mg/Kg. Cadmium was detected ranging from 0.483 mg/Kg to 1.08 mg/Kg, below the RDCSCC of 39 mg/Kg. Calcium was detected ranging from 820 mg/Kg to 5,010 mg/Kg, there is no RDCSCC for calcium. Chromium was detected ranging from 52.4 mg/Kg to 102 mg/Kg, there is no RDCSCC for chromium. Cobalt was detected ranging from 1.91 mg/Kg to 4.07 mg/Kg, there is no RDCSCC for cobalt. Copper was detected ranging from 3.08 mg/Kg to 26.0 mg/Kg, below the RDCSCC of 600 mg/Kg. Iron was detected ranging from 20,600 mg/Kg to 37,400 mg/Kg, there is no RDCSCC for iron. Lead was detected ranging from 7.79 mg/Kg to 32.9 mg/Kg, below the RDCSCC of 400 mg/Kg. Magnesium was detected ranging from 2,030 mg/Kg to 4,100 mg/Kg, there is no RDCSCC for magnesium. Manganese was detected ranging from 43.0 mg/Kg to 118 mg/Kg, there is no RDCSCC for manganese. Mercury was detected ranging from 0.023 mg/Kg to 0.086 mg/Kg, below the RDCSCC of 14 mg/Kg. Nickel was detected ranging from 4.83 mg/Kg to 10.1 mg/Kg, below the RDCSCC of 250 mg/Kg. Potassium was detected ranging from 4,150 mg/Kg to 8,710 mg/Kg, there is no RDCSCC for potassium. Sodium was detected ranging from 161 mg/Kg to 1,070 mg/Kg, there is no

RDCSCC for sodium. Vanadium was detected ranging from 35.7 mg/Kg to 70.9 mg/Kg, below the RDCSCC of 370 mg/Kg. Zinc was detected ranging from 33.8 mg/Kg to 73.4 mg/Kg, below the RDCSCC of 1,500 mg/Kg.

In summary, the SI and expanded SI failed to identify a distinct source area for soils or define potential contaminants of concern COC. While VOC, SVOC, TPHC, pesticides, and metals were all detected in soil samples collected at Boring Location B-5, except for lead during the initial SI, the detections did not exceed the respective RDCSCC. Lead was detected at Boring location B-5 in all eight collected samples, but only the sample collected at 7.5 ft bgs exceeded the RDCSCC of 400 mg/Kg. Given this isolated exceedence of the RDCSCC, which is less than one order of magnitude greater than the criteria, as well as the depth of the sample location, lead is not identified as a COC for soils.

Based on the findings of the SI and expanded SI and the NJDEP Technical Requirements For Site Remediation (NJAC 7:26), the sampling grid was expanded to provide further delineation during the RI of the area initially identified in the historical aerial photograph review and as well as surrounding areas that are now principally parking lots. During the RI (10 December 1999 through February 2000), soil samples were collected at varying depths from an additional 162 locations and analyzed for a refined list of parameters that included only VOC and TPHC. The results of the RI are shown in **Table 1**, are summarized below, and the sampling locations are shown on **Figure 6a**.

Eight VOC were detected in the soil samples collected during the RI: 2-butanone, acetone, bromodichloromethane, chloroform, cis-1,2-dichloroethene, methylene chloride, toluene, and xylenes (total). 2-Butanone was detected in 219 of the collected soils samples ranging from 0.61 mg/Kg to 9.3 mg/Kg, with none of the detections exceeding the RDCSCC of 1,000 mg/Kg. Acetone was detected in 93 of the collected samples ranging from 1.2 mg/Kg to 5.6 mg/Kg, with none of the detections exceeding the RDCSCC of 1000 mg/Kg. Bromodichloromethane was detected in two of the collected soil samples at 0.32 mg/Kg and 0.37 mg/Kg, with none of the detections exceeding the RDCSCC of 11 mg/Kg. Chloroform was detected in 200 of the collected samples ranging from 0.22 mg/Kg to 0.86 mg/Kg, with none of the detections exceeding the RDCSCC of 19 mg/Kg. Cis-1,2-Dichloroethene was detected in one of the collected soil samples at 3.7 mg/Kg, which is below the RDCSCC of 79 mg/Kg. Methylene chloride was detected in 77 of the collected soil samples ranging from 0.23 mg/Kg to 9.2 mg/Kg, with none of the detections exceeding the RDCSCC of 49 mg/Kg. Toluene was detected in one of the collected soil samples at 0.23 mg/Kg, which is below the RDCSCC of 1,000 mg/Kg. Total xylenes were detected in 2 of the collected soil samples at 0.49 mg/Kg and 1.79 mg/Kg, with neither detection exceeding the RDCSCC of 410 mg/Kg.

TPHC was detected in 149 of the collected soil samples ranging from 162.24 mg/Kg to 7099.8 mg/Kg, with seven detections exceeding the 1,000 ppm criteria for Total VOC (see the table below), but not the 10,000 ppm standard for Total Organic Compounds (TOC). Further, as also shown in the table below, for the seven soil samples with TPHC detections exceeding 1,000 ppm, VOC were only detected at six of the boring locations, and none of the VOC exceeded the respective RDCSCC. Because VOC were not detected above RDCSCC at those locations where TPHC concentrations were elevated, neither the TPHC nor the VOC are identified as COC.

Sample Location	Sample Depth (ft)	TPHC Concentration (mg/Kg)	VOC Detections (mg/Kg)	NJDEP RDCSCC (mg/Kg)
B61	2.5 - 3	1,356.52	2-Butanone – 5.8 mg/Kg Chloroform – 0.65 mg/Kg Methylene Chloride – 0.32 mg/Kg	1000 19 49
B64	2.5 - 3	1,194.58	2-Butanone - 5.0 mg/Kg	1000
B71	1 – 1.5	7,099.8	No VOC Detections	-
B106	3 –3.5	2,221.44	2-Butanone – 5.1 mg/Kg	1000
B136	4.5 - 5	1,042.12	2-Butanone – 1.8 mg/Kg Acetone – 4.2 mg/Kg Chloroform – 0.41 mg/Kg	1000 1000 10
B138	4.5 - 5	1,905.14	2-Butanone – 1.3 mg/Kg Chloroform – 0.44 mg/Kg	1000 19
B144	4.5 - 5	2,377.56	2-Butanone – 1.6 mg/Kg Chloroform – 0.46 mg/Kg	1000 19

The detections above the analytical MDL from the GeoProbe® soils investigation for TPHC are shown on **Figure 6a,** for VOC on **Figure 7a,** for SVOC on **Figure 8,** and for metals on **Figure 9.** In addition, the detections above the respective RDCSCC have been "boxed" in "red" on **Figures 6 through 9**. The results of the expanded soils investigation also failed to identify a distinct source area or potential contaminants of concern (COC) at Site 812. The findings of the GeoProbe® soils investigation were evaluated in concert with the GeoProbe® groundwater investigation to direct the placement of groundwater monitoring wells at Site 812.

3.2.1.2 Groundwater

As previously discussed, the SI was initiated in September 1999 with the installation of soil borings B-1 through B-5 to evaluate the observed locations of previous site structures/areas of disturbance (see **Figure 2a**). Groundwater samples (aqueous samples) were collected as grab samples from borings B-4 and B-5 and analyzed for VOC, MTBE and MTBA, and lead. The sampling depths and analytical results for analytes with detections above the respective MDL are presented in **Table 2.** The analytical results for each sample detected above the respective NJDEP GWQC have then been **bolded** in **Table 2**. The analytical data packages are provided in **Appendix G** (under separate cover).

Two VOC were detected at Boring B-4, ethylbenzene and total xylenes. Ethylbenzene was detected at 1.29 micrograms per Liter (ug/L), which is below the GWQC of 700 ug/L. Total xylenes were detected at 4.23 ug/L, which is below the GWQC for total xylenes of 40 ug/L. Thirteen VOC were detected at Boring B-5 as shown in the table below:

Summary of VOC detections at Boring B-5

Detected VOC	NJDEP GWQC (ug/L)	Boring B-5 September 1999 (ug/L)	Boring B-5 December 1999 (ug/L)
1,1-Dichloroethene	2	**7.78**	**6.6**
2-Butanone	300	ND	9.04
4-Methyl-2-Pentanone	400	ND	15.23
Acetone	700	3.26	18.82
Benzene	1	**12.07**	**10.13**
Carbon Disulfide	NLE	2.95	6.13
cis-1,2-Dichloroethene	10	**15,879.47 D**	**7,789.06 D**
Ethylbenzene	700	73.64	77.9
tert-Butyl alcohol	NLE	74.67	66.36
Tetrachloroethene (PCE)	1	**2.74**	**1.57**
Toluene	1000	34.42	34.38
trans-1,2-Dichloroethene	100	**1,692.34 D**	**854.77 D**
Trichloroethene (TCE),	1	**4.98**	**2.57**
Vinyl Chloride	5	**98.13**	**90.27 D**
Xylenes(Total)	40	**92.33**	**238.23 D**

ND – Not detected.
NLE – No GWQC exists for this analyte.
D – Analytical value from sample dilution.
Exceedences of the GWQC are printed in **bold-faced** type.

The detections during the SI for 1,1-dichloroethene, benzene, cis-1,2-dichloroethene, PCE, trans-1,2-dichloroethene, trichloroethene (TCE), VC, and total xylenes also exceeded the respective GWQC. Additionally, lead was detected in Boring B-4 at 20.4 ug/L and in Boring B-5 at 160.2 ug/L, with both detections exceeding the GWQC for lead of 10 ug/L.

The expanded SI was then conducted at the Boring B-5 location to more completely evaluate this location by depth. A second boring (also designated Boring B-5) was installed on 9 December 1999 and a groundwater grab sample was taken from this boring at a depth of 7-12 ft bgs and analyzed for VOC, SVOC, pesticides/PCBs and metals. As shown in the table above, 15 VOC were detected during the December sampling event. Furthermore, the detections during the December sampling event for 1,1-dichloroethene, benzene, cis-1,2-dichloroethene, PCE, trans-1,2-dichloroethene, TCE, VC and xylenes (total) again exceeded the respective GWQC.

Two SVOC were detected during the expanded SI at Boring B-5. Diethyl phthalate and 4-methyl phenol were detected at 13.25 ug/L and 28.13 ug/L, respectively. The detection for diethyl phthalate was below the GWQC of 5000 ug/L. 4-Methyl phenol does not have a GWQC. However, the NJDEP Ground Water Quality Standards (NJAC 7:9-6, Table 2 – Interim Generic Ground Water Quality Criteria) state that interim criteria may be derived for any constituent, in accordance with specific methodologies and using a risk assessment approach. The NJDEP Interim Generic Criteria for Synthetic Organic Chemicals (SOC) lacking evidence of carcinogenicity and lacking specific or interim specific criteria are to be compared against a generic criteria of 100 ug/l (SOCs are identified as having "evidence of carcinogenicity" or "lacking evidence of carcinogenicity" based upon available scienctific evidence.). The detection

for 4-methyl phenol (which lacks evidence of carcinogenicity) did not exceed the Interim Generic Criteria for SOCs of 100 ug/l.

There were no detections for pesticides/PCBs during the expanded SI at Boring B-5

Twenty-one metals were detected during the expanded SI at Boring B-5. Aluminum was detected at 10,400 ug/L, which exceeded the GWQC of 200 ug/L. Antimony was detected at 10.6 ug/L, below the GWQC of 20 ug/L. Arsenic was detected at 12.1 ug/L, which exceeded the GWQC of 8 ug/L. Barium was detected at 107 ug/L, below the GWQC of 2000 ug/L. Cadmium was detected at 5.45 ug/L, which exceeded the GWQC of 4 ug/L. Calcium was detected at 546,000 ug/L, there is no GWQC for calcium. Chromium was detected at 100 ug/L, which equals the GWQC of 100 ug/L. Cobalt was detected at 4.84 ug/L, there is no GWQC for cobalt. Copper was detected at 86.5 ug/L, below the GWQC of 1,000 ug/L. Iron was detected at 21,000 ug/L, which exceeded the GWQC of 300 ug/L. Lead was detected at 289 ug/L, which exceeded the GWQC of 10 ug/L. Magnesium was detected at 60,800 ug/L, there is no GWQC for magnesium. Manganese was detected at 213 ug/L, which exceeded the GWQC of 50 ug/L. Mercury was detected at 0.46 ug/L, which is below the GWQC of 2 ug/L. Nickel was detected at 17.8 ug/L, below the GWQC of 100 ug/L. Potassium was detected at 75,900 ug/L, there is no GWQC for potassium. Selenium was detected at 22.8 ug/L, below the GWQC of 50 ug/L. Silver was detected at 5.46 ug/L, below the GWQC of 20 ug/L. Sodium was detected at 264,000 ug/L, which exceeded the GWQC of 50,000 ug/L. Vanadium was detected at 45.6 ug/L, there is no GWQC for vanadium. Zinc was detected at 428 ug/L, below the GWQC of 5,000 ug/L.

Based on the results of the SI and the expanded SI, the Boring B-5 location was identified as a potential source area for VOC and metals groundwater contamination requiring further evaluation in the planned groundwater monitoring well program at Site 812.

Groundwater samples were then collected as part of the RI starting in December 1999. Groundwater grab samples were collected from 163 soil boring locations within the expanded sampling grid at varying depths and analyzed for VOC.

Fifteen VOC were detected in the groundwater samples collected during the RI: 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 2-butanone, 2-hexanone, acetone, benzene, bromoform, chloroform, ethylbenzene, methylene chloride, MTBE, toluene, trichlorofluoromethane, and xylenes (total).

1,1,1-Tichloroethane was detected at three boring locations ranging from 4.69 ug/L to 84.32 ug/L, with the detection at 84.32 ug/l exceeding the GWQC of 30 ug/L. 1,1-Dichloroethane was detected at one boring location at 13.13 ug/L, below the GWQC of 70 ug/L. 1,1-Dichloroethene was detected at one boring location at 1.85 ug/L, below the GWQC of 2 ug/L. 2-Butanone was detected at five boring locations ranging from 1.62 ug/L to 14.46 ug/L, below the GWQC of 300 ug/L. 2-Hexanone was detected at one boring location at 2.42ug/L, there is no GWQC for 2-hexanone. Acetone was detected at 28 boring locations ranging from 2 ug/L to 22.59 ug/L, below the GWQC of 700 ug/L. Benzene was detected at three boring locations ranging from 1.06 ug/L to 4.04 ug/L, with all three of the detections exceeding the GWQC of 1 ug/L. Bromoform was detected at three boring locations ranging from 3.49 ug/L to 7.58 ug/L, with two of the detections at 5.6 ug/L and 7.58 ug/L exceeding the GWQC of 4 ug/L. Chloroform was detected at three boring locations ranging from 1.35 ug/L to 3.05 ug/L, below the GWQC of 6

ug/L. Ethylbenzene was detected at five boring locations ranging from 1.2 ug/L to 21.07 ug/L, below the GWQC of 700 ug/L. Methylene chloride was detected at one boring location at 20.95 ug/L, which exceeded the GWQC of 2 ug/L. MTBE was detected at five boring locations ranging from 1.56 g/L to 5.78 ug/L, below the GWQC of 70 ug/L. Toluene was detected at three boring locations ranging from 1.31 ug/L to 6.13 ug/L, below the GWQC of 1000 ug/L. Trichlorofluoromethane was detected at four boring locations ranging from 1.36 ug/L to 7.86ug/L, there is currently no GWQC for trichlorofluoromethane. Xylenes (total) were detected at three boring locations ranging from 1.59 ug/L to 7.64 ug/L. The GWQC for total xylenes is 40 ug/L.

In summary, four VOC were detected at concentrations above their respective GWQC at seven boring locations. The table below lists the four VOC, the boring locations, sample depths, the exceedences and the respective GWQC.

Sample Location	Sample Depth (ft)	VOC Parameter	Exceedence (µg/L)	GWQC (µg/L)
B8	8 - 13	1,1,1-Trichloroethane	84.32	30
B19	11 - 16	Methylene Chloride	20.95	2
B41	8 - 12	Benzene	4.04	1
B62	7 – 12.5	Benzene	2.0	1
B63	7 – 12.5	Benzene	1.06	1
B148	5 - 10	Bromoform	5.6	4
B149	5 - 10	Bromoform	7.58	4

Note: D – Analytical value from sample dilution.
µg/l – micrograms/liter

In addition to the Boring B-5 location, VOC groundwater contamination was further evaluated in the groundwater monitoring well program at Site 812

3.2.2 Groundwater Monitoring Wells

3.2.2.1 Groundwater Monitoring Well Installation

To evaluate the groundwater conditions at Site 812, fourteen (14) groundwater monitoring wells designated as MW-1 through MW-14 were installed during April and May 2000. The well locations are shown on **Figure 10** and were selected based on the results of the GeoProbe® soil and groundwater investigation, and site history.

Monitoring wells MW-1, MW-2 and MW-3 were installed as deep wells ranging in depth from 50 ft to 52 ft bgs. Monitoring wells MW-4 through MW-14 were then installed as shallow wells ranging in depth from 7 ft to 19 ft bgs. MW-1 and MW-4 (one deep and one shallow well) were placed in close proximity to Boring Location B-5. The Boring B-5 location was identified during the GeoProbe® groundwater investigation as a potential source area for VOC and metals groundwater contamination requiring further evaluation. The remaining wells were placed to represent other areas of VOC detection identified during the GeoProbe® groundwater investigation.

The monitoring wells are constructed of 4-inch ID, Schedule 40 PVC well screens and casings. The well screens range from 5 ft to 20 ft in length with No. 10 slots (0.010 inch). **Table 4** provides specifications for the groundwater monitoring wells.

The monitoring wells were installed in accordance with the *Monitor Well Requirements for Unconsolidated Aquifers* (NJDEP Field Sampling Procedures Manual). The well logs and construction details are provided in **Appendix C**. After completion of the monitoring wells, casing elevations and horizontal locations were determined by a New Jersey-licensed surveyor. The survey information is presented on the Well Certification Forms and Form B's provided in **Appendix C**.

Based on the drilling logs, Site 812 is underlain by two distinct stratigraphic units. The uppermost unit is generally a sand and gravel material with trace amounts of silt. This unit is approximately 25 ft in thickness. This unit is underlain by a gradational uniform silt layer, the thickness of which exceeded the depth of the RI efforts. Fill material consisting of bricks, wood debris, and concrete were identified in the area of boring B-5, MW-1, and MW-4. This fill material is approximately seven ft deep and begins at grade. A geologic cross section of Site 812 is presented in **Figure 11.**

Regional groundwater flow directions are generally southeastward in both shallow and deep water bearing units.

Locally, in the Tinton Sand unit and Red Bank Sand unit the groundwater flow is in the northwesterly direction. Grassy, precipitation-recharge zones extend east, south and southeast of Building 812, while north, west and northwest of Building 812 the ground surface is entirely covered by parking lots and other buildings. The lack of recharge creates a depression in the water table beneath the covered areas and consequently the groundwater is diverted in a northwesterly direction, toward Husky Brook, the natural local discharge area.

3.2.2.2 Groundwater Results

This section presents the laboratory analyses performed on the groundwater samples and the quantitative results. A qualitative evaluation of the results is provided in Section 3.3.

Two rounds of groundwater sampling (May and June 2000) were collected from the fourteen newly installed monitoring wells. During each sampling event, groundwater depth measurements were recorded and groundwater elevations were calculated to determine apparent groundwater flow direction (see **Figures 10 and 11**). **Table 4** presents this data in tabular format. Based on these data, it was determined that groundwater flows in a northerly direction.

Groundwater samples (collected from MW-1 through MW-14) were analyzed for VOC, SVOC, pesticides/PCB, and metals during each of two sampling events (May and June 2000). Results of these analyses are presented on **Table 3** and are discussed below.

Volatile Organic Compounds

A total of 19 VOC were detected in five monitoring wells (MW-04, MW-05, MW-07, and MW-

09) at Site 812 during the May and June 2000 sampling events. A summary of the detections by VOC is provided below.

Carbon disulfide was detected at MW-04 during both sampling events at 20.25 ug/L and 8.43 ug/l, respectively, and at MW-08 during the May sampling event at 1.79 ug/L. There is no established GWQC for carbon disulfide.

Chloroform was detected at MW-08 during both sampling events at 3.0 ug/L and 1.32 ug/L, respectively, and at MW-09 during the May sampling event at 1.55 ug/L. The three detections for chloroform are all below the respective GWQC of 6 ug/L

1,1-Dichloroethane was detected at two monitoring wells; MW-05 during the June sampling event at 3.64 ug/L, and MW-07 during the May sampling event at 3.62 ug/L. Both of these detections are below the respective GWQC of 70 ug/L.

1,1,1-Trichloroethane (TCA) was detected during both sampling events at two monitoring wells; MW-05 at 10.09 ug/L and 43.71 ug/L, and MW-07 at 41.84 ug/L and 6.36 ug/L. The June detection at MW-05 (43.71 ug/L) and the May detection at MW-07 (41.84 ug/L) both exceeded the GWQC for TCA of 30 ug/L.

A total of 16 VOC were detected at MW-04 during both sampling events: 1,1-dichloroethene, acetone, carbon disulfide, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 2-butanone, benzene, trichloroethene, 4-methyl-2-pentanone, toluene, tetrachloroethene, 2-hexanone, ethylbenzene, m+p-xylenes, and o-xylene and vinyl chloride (VC). Carbon disulfide (addressed previously), 2-hexanone, m+p-xylenes, and o-xylene do not have established GWQC. However, a GWQC of 40 ug/L does exist for Total Xylenes (i.e., the sum of o+m+p-xylenes).

Seven of the 16 VOC were detected above their respective GWQC during both sampling events and the cumulative results of m+p-xylenes, and o-xylene exceeded the GWQC during both sampling events (see the table below).

Monitoring Well MW-4 VOC detected above GWQC	**May 2000 Result (µg/L)**	**June 2000 Result (µg/L)**	**NJDEP GWQC (µg/L)**
1,1-dichloroethene	6.51	8.11	2
Cis-1,2-dichloroethene	10,397.69D[1]	10,436.18 D[1]	10
Trans-1,2-dichloroethene	615.87 D[1]	450.06 D[1]	100
Benzene	8.84	9.99	1
Trichloroethene	5.25	4.7	1
Tetrachloroethene	2.35	2.64	1
Vinyl Chloride	126.45 D[1]	147.57 D[1]	5
Total Xylenes [2]	556.55	657.18	40

Note (1): D – Analytical value from sample dilution.
Note (2): GWQC do not exist separately for m+p-xylenes and o-xylene.

Given the exceedences of the respective GWQC during both sampling events at MW-04, MW-05, and MW-07, the following seven VOC and total xylenes are identified as COC at Site 812:

1,1,1-trichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, benzene, trichloroethene, tetrachloroethene, and VC. **Figure 10** shows the detections from the groundwater monitoring program at Site 812 for the identified COC. The analytical results for each sample detected above the respective GWQC have then been highlighted on **Figure 10.**

Semi-Volatile Organic Compounds

SVOC were detected in four monitoring wells (MW-03, MW-04, MW-10, and MW-12) and only during the June 2000 sampling event at Site 812. At MW-03, butylbenzylphthalate was detected at 3.47 ug/L, which is below the respective GWQC of 100 ug/L. At MW-04, five SVOC were detected. Phenol was detected at 38.32 ug/L, which is below the respective GWQC of 4000 ug/L. In addition, 2-methylphenol was detected at 13.13 ug/L, 4-methylphenol was detected at 43.05 ug/L, naphthalene was detected at 38.76 ug/L, and 2-methylnaphthalene was detected at 19.13 ug/L. There is currently no established GWQC for 2-methylphenol, 4-methylphenol, naphthalene, and 2-methylnaphthalene. Bis(2-Ethylhexyl)phthalate was detected at MW-10 and MW-12 at 3.08 ug/L and 12.01 ug/L, respectively. Both detections are below the respective GWQC of 30 ug/L.

There are no SVOC identified as COC at Site 812.

Pesticides/PCB

There were no pesticides or PCB detected during either sampling event at any of the groundwater monitoring wells. Therefore, pesticides and PCB are not COC at Site 812.

Metals

Twenty-two (22) metals were detected during the two groundwater sampling rounds performed at Site 812 (May 2000 and June 2000). Of the 22 metals detected, seven metals (antimony, calcium, cobalt, magnesium, potassium, thallium, and vanadium) were measured at concentrations below their respective NJDEP GWQC or no GWQC exists for the specified metal. The 15 remaining metals detected during the sampling events (aluminum, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, selenium, sodium, and zinc) were detected above their respective NJDEP GWQC. As presented in the SI Report (WESTON, 1995), several natural and anthropogenic factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium, and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples. A low flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of entrained sediments on the dissolved phase metals concentrations at the site. Using a low flow sampling methodology to reduce the presence of entrained sediment yielded substantial reductions in the dissolved phase concentrations of metals, particularly for the constituents regarded as “non-native” (i.e., 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 (i.e., 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 metals that were detected at concentrations exceeding the New Jersey GWQC are distinguished below into background and non-native metals. The indigenous metals are compared to the Main Post Maximum Background Concentrations (MBC), presented below. The non-native metals are discussed in relation to the New Jersey GWQC only.

Fort Monmouth Main Post – Maximum Background Concentrations (MBC) for Native Metals

Metals (Total)	**Fort Monmouth – Main Post Maximum Background Concentrations (ug/L)**
Aluminum	121,000
Antimony	20.7
Barium	699
Beryllium	2.1
Calcium	45,400
Cobalt	18.3
Copper	65.6
Iron	431,000
Magnesium	62,700
Manganese	331
Nickel	187
Potassium	137,000
Sodium	21,500
Thallium	5.5
Vanadium	108
Zinc	233

Source: Table 4.1-6, WESTON, 1995

Of the 15 metals detected that exceeded the NJDEP GWQC, nine metals (aluminum, barium, beryllium, copper, iron, manganese, nickel, sodium, and zinc) are common background constituents in Monmouth County and the Main Post area soils. For these native metals, the groundwater analytical results are compared to the respective MBC. There were six non-native metals that exceeded the NJDEP GWQC (arsenic, cadmium, chromium, lead, mercury, and selenium). The analytical results for each of these 15 metals are discussed below.

Background Metals:

Aluminum was detected in each of the 28 monitoring well samples (two sampling events at each of the 14 monitoring wells) at concentrations above the NJDEP GWQC of 200 ug/L. Aluminum was detected in one of the 28 samples at a concentration above the MBC of 121,000 ug/L. In May 2000, aluminum was detected in MW-4 at a concentration of 408,000 ug/L. Based upon this single exceedence of the MBC, aluminum is not identified as a COC.

Barium was detected in one of the 28 monitoring well samples at a concentration above both the NJDEP GWQC of 2,000 ug/L and the MBC of 699 ug/L. In May 2000, barium was detected in MW-4 at a concentration of 4,250 ug/L. Based upon this single exceedence of the GWQC and the MBC, barium is not identified as a COC.

Beryllium was detected in two of the samples collected from monitoring well MW-4 at concentrations above the NJDEP GWQC of 20 ug/L and the MBC of 2.1 ug/L. In May and June 2000, beryllium was detected at well MW-4 at concentrations of 46.7 and 6.02 ug/L, respectively. Based upon the single exceedence of the GWQC, and the MBC, beryllium is not identified as a COC.

Copper was detected in one of the 28 monitoring well samples at a concentration above both the NJDEP GWQC of 1,000 ug/L and the MBC of 65.6 ug/L. In May 2000, copper was detected in MW-4 at a concentration of 1,670 ug/L. Based upon this single exceedence of the GWQC and the MBC, copper is not identified as a COC.

Iron was detected in each of the 28 monitoring well samples (two sampling events at each of the 14 monitoring wells) at concentrations above the NJDEP GWQC of 300 ug/L. Iron was detected in one of the 28 samples at a concentration greater than the MBC of 431,000 ug/L. In May 2000, iron was detected in MW-4 at a concentration of 1,360,000 ug/L. Based upon this single exceedence of the MBC, iron is not identified as a COC.

Manganese was detected in 22 of the 28 monitoring well samples at concentrations above the NJDEP GWQC of 50 ug/L. In six of the 28 samples (two samples each from MW-4, MW-9 and MW-10), manganese was detected at the following concentrations above the MBC of 331 ug/L:

- In May and June 2000, manganese was detected in MW-4 at concentrations of 4,510 and 590 ug/L, respectively, exceeding both the GWQC and the MBC.
- In May and June 2000, manganese was detected in MW-9 at concentrations of 772 and 698 ug/L, respectively, exceeding both the GWQC and the MBC.
- In May and June 2000, manganese was detected in MW-10 at concentrations of 470 and 499 ug/L, respectively, exceeding both the GWQC and the MBC.

Based upon the magnitude of the exceedences and the low frequency of occurrences of manganese in groundwater at the site, manganese is not identified as a COC.
Nickel was detected in one of the 28 monitoring well samples at a concentration above both the NJDEP GWQC of 100 ug/L and the MBC of 187 ug/L. In May 2000, nickel was detected in MW-4 at a concentration of 495 ug/L. Based upon this single exceedence of the GWQC and the MBC, nickel is not identified as a COC.

Sodium was detected in 11 monitoring well samples (two samples each from MW-4, MW-5, MW-7, MW-8, MW-14, and one sample from MW-10) at concentrations above the NJDEP GWQC of 50,000 ug/L and the MBC of 21,500 ug/L, as follows:

- In May and June 2000, sodium was detected in MW-4 at concentrations of 225,000 and 185,000 ug/L, respectively, exceeding both the GWQC and the MBC.
- In May and June 2000, sodium was detected in MW-5 at concentrations of 61,800 and 85,200 ug/L, respectively, exceeding both the GWQC and the MBC.
- In May and June 2000, sodium was detected in MW-7 at concentrations of 85,500 and 64,100 ug/L, respectively, exceeding both the GWQC and the MBC.

- In June 2000, sodium was detected in MW-10 at a concentration of 52,800 ug/L, exceeding both the GWQC and the MBC.
- In May and June 2000, sodium was detected in MW-14 at concentrations of 77,10 and 71,100 ug/L, respectively, exceeding both the GWQC and the MBC.

Based upon the magnitude of the exceedences and the frequency of occurrences of sodium in groundwater at the site, as well as the high potential for saltwater/tidal influences on water quality, sodium is not identified as a COC.

Zinc was detected in one of the 28 monitoring well samples at a concentration above both the NJDEP GWQC of 5,000 ug/L and the MBC of 223 ug/L. In May 2000, zinc was detected in MW-4 at a concentration of 27,000 ug/L. Based upon this single exceedence of the GWQC and the MBC, zinc is not identified as a COC.

Non-Native Metals:

Arsenic was detected above the NJDEP GWQC of 8 ug/L in the following three monitoring well samples collected from two distinct monitoring wells:

- In May 2000, arsenic was detected in MW-1 at a concentration of 9.26 ug/L.
- In May and June 2000, arsenic was detected in MW-4 at concentrations of 546 and 88.4 ug/L, respectively.

Cadmium was detected in two samples collected from monitoring well MW-4 at concentrations above the NJDEP GWQC of 4 ug/L:

- In May and June 2000, cadmium was detected at concentrations of 145 and 18.6 ug/L, respectively.

Chromium was detected in two samples collected from monitoring well MW-4 at concentrations above the NJDEP GWQC of 100 ug/L.

- In May and June 2000, chromium was detected in MW-4 at concentrations of 3,250 and 454 ug/L, respectively.

Lead was detected in nine of the 28 monitoring well samples at concentrations above the NJDEP GWQC of 10 ug/L:

- In May 2000, lead was detected in MW-1 at a concentration of 11.1 ug/L.
- In May 2000, lead was detected in MW-3 at a concentration of 25.7 ug/L.
- In May and June 2000, lead was detected in MW-4 at concentrations of 17,600 and 2,400 ug/L, respectively.
- In May 2000, lead was detected in MW-9 at a concentration of 12.7 ug/L.
- In June 2000, lead was detected in MW-12 at a concentration of 60.8 ug/L.
- In June 2000, lead was detected in MW-13 at a concentration of 14.4 ug/L.

Mercury was detected in one of the 28 monitoring well samples at a concentration exceeding the NJDEP GWQC of 2 ug/L:

- In May 2000, mercury was detected in MW-4 at a concentrations of 3.8 ug/L.

Selenium was detected in one of the 28 monitoring well samples at a concentration exceeding the NJDEP GWQC of 50 ug/l:

- In May 2000, selenium was detected in MW-4 at a concentration of 75.1 ug/L.

During evaluation of Quarterly Groundwater Monitoring Program results performed at other locations at Fort Monmouth, the DPW has attempted to determine if the detected metal concentrations observed in the groundwater samples are a function of contaminated sediments entrained in the monitoring well during the course of well purging and sampling activities, or an accurate representation of aquifer/groundwater conditions. The DPW proposed to sample various wells throughout the Main Post area using a low flow sampling technique. The proposal was accepted by the NJDEP, and the DPW performed low flow sampling at several other sites within the Main Post area. The results of the low flow sampling have shown that the reported metal concentrations are most likely attributable to sediment entrained in the samples during the sampling event, and are not representative of actual groundwater conditions. This result is particularly true for the metals regarded as uncharacteristic (i.e., non-native) of the site soils (arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, vanadium). Significant reductions in the concentrations of metals also have been observed for many of the more commonly occurring soil constituents, such as aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, sodium, and zinc. However, the more common constituents are consistently observed in groundwater, even when the low-flow sampling methodology is used. The DPW expects that similar results will prevail at Site 812, and will begin using the low-flow sampling approach to substantiate the assumption that the detected metals are not contaminants at Site 812. A long-term groundwater monitoring program encompassing low flow sampling will be included as part of the remedial action program for the site, which will allow the DPW to prove this assertion. In addition, lead results for two subsequent Quarterly sampling events (September and December 1999) at MW-4 were as follows: 36.3 ug/L and 38.6 ug/L. While these results still exceed the respective GWQC of 10 ug/L, they represent successive detections that are an order-of-magnitude lower than the first two Quarterly results for lead at MW-4, and suggest that the low-flow sampling methodology may eliminate lead as a potential COC in groundwater at MW-4.

Based on the magnitude of the exceedences, the frequency of occurrences, and the wide-ranging results for the non-native metals, no single metal constituent is identified as a COC at Site 812. Furthermore, the proposed long-term groundwater monitoring program will recommend the use of low-flow sampling to ensure that the detected metals are not contaminants. Therefore, arsenic, cadmium, chromium, lead, mercury and selenium are not given further consideration in this RIR/RAW.

3.2.3 Hydraulic Conductivity Testing

Rising-head aquifer hydraulic conductivity tests (slug tests) were conducted in wells MW-2,

MW-3, MW-5, MW-8, and MW-12 on May 19, 2000. Each test was conducted by inserting a bailer of known volume into the well and then quickly withdrawing the bailer while monitoring the dynamic water level. The test was continued until the water level recovered to at least 80 percent of the initial static level. The water level was monitored using an electronic data recorder linked to pressure transducer.
Water-level data from slug tests were analyzed by two methods: (1) the method developed by Bouwer (Bouwer and Rice, 1976; Bouwer, 1989); and (2) the Hvorslev method (Hvorslev, 1951). The equations used for these methods, the input parameters used for each test, and graphs of the data are presented in **Appendix D**. The two methods yielded comparable results, discussed in the following paragraphs.

3.2.3.1 Shallow Wells (MW-5, MW-8, and MW-12)

Using the Bouwer and Rice method, hydraulic conductivity was determined to range from 8.34E-04 centimeters per second (cm/sec) to 2.28E-03 cm/sec (2.36 to 6.46 ft per day (ft/d)), with an arithmetic mean of 1.50E-03 cm/sec (4.25 ft/d). Using the Hvorslev method, it was found to range from 7.52E-04 cm/sec to 2.82E-03 cm/sec (2.13 to 7.99 ft/d), with an arithmetic mean of 1.63E-03 cm/sec (4.62 ft/d). The average hydraulic conductivity for shallow wells is 1.56E-03 cm/sec (4.42 ft day). These values are consistent with the hydrogeologic conditions encountered at the Site.

3.2.3.2 Deep Wells (MW-2 and MW-3)

Using the Bouwer and Rice method, hydraulic conductivity was found to range from 2.49E-04 cm/sec to 2.74E-04 cm/sec (0.71 to 0.78 ft/d), with an arithmetic mean of 2.63-04 cm/sec (0.75 ft/d). Using the Hvorslev method, it was found to range from 2.75E-04 cm/sec to 3.36E-04 cm/sec (0.78 to 0.95 ft/d), with an arithmetic mean of 3.05E-04 cm/sec (0.86 ft/d).

The average hydraulic conductivity for deep wells is 2.84E-04 cm/sec (0.81 ft/day). Again, these values are consistent with the hydrogeologic conditions encountered at Site 812.]

3.2.4 Sensitive Receptors & Well Search Summary

Searches were performed using various databases and historical information to identify sensitive receptors and groundwater wells that may be potentially affected by soil and groundwater conditions at Site 812. Groundwater quality data from the monitoring wells at the Site indicate that organic compounds and metals were detected in concentrations above the New Jersey GWQC. Based on hydrogeologic principles, groundwater flow could result in the migration of contaminants to potential downgradient receptors.

An Offsite Receptor Report (dated 27 June 2000) was prepared for Site 812 by Environmental Data Resources, Inc. (EDR). In addition, a search of the comprehensive well database maintained by the NJDEP – Well Permitting and Regulations Section of the Bureau of Water

Allocation was performed. The search was performed for a one mile radius surrounding the center point of Site 812. A copy of the sensitive receptor survey is provided in **Appendix E** and a copy of the Well Search Summary is provided in **Appendix F**.

The results of the well search summary identified 228 database records within a one-mile radius of Site 812, and include the following relevant wells:

- Monitoring Wells: 159 monitoring wells were identified within one mile of Site 812. The well depths ranged from 4 to 50 ft.
- Domestic Wells: 32 total domestic wells were identified within one mile of Site 812. The well depths ranged from 46 to 350 ft.
- Irrigation Wells – 8 irrigation wells were identified within one mile of Site 812. The wells ranged from 20 – 200 ft.
- Public Supply Wells – No public supply, public non-community, or non-public [supply] wells were identified within one mile of Site 812.

Regarding potential human and ecological receptors, the most proximate sensitive receptor is Husky Brook which flows north of Site 812. The database search results indicate that two schools (Steelman School and Meadowbrook Elementary School) are located within one-mile south-southeast of Site 812. These schools are not receptors for the groundwater migration pathway because groundwater use has not been documented and the schools are located opposite the direction of natural groundwater flow.

In the case of Site 812, potential receptors are not expected to be impacted because of the following:

1. Site 812 is located on an Army-controlled installation that restricts access to the site. The majority of the site is paved. No surface water bodies (i.e., creeks, ponds, wetlands, etc.) traverse Site 812.
2. Based upon the findings of the well search, no public supply, public non-community, or non- public [supply] wells are identified within one mile of Site 812. Further, there are no domestic, irrigation, industrial, or supply wells existing within the boundaries of Site 812, nor will any be installed in the future. Since no groundwater use is occurring or is anticipated to occur, the groundwater beneath the Site 812 is not considered to be a potential receptor pathway.
3. There are no expected concerns regarding direct human exposure to impacted soils. The majority of the Site is paved. No VOC were detected in soil above the RDCSCC and the relatively low concentrations of dissolved phase VOC and the absence of free product suggest that accumulation and migration of hazardous vapors is highly unlikely. The current institutional controls will be maintained to limit direct contact with the Site.

3.3 SUMMARY AND DISCUSION (SITE CONCEPTUAL MODEL)

3.3.1 Hydrogeologic Characteristics

Based on the subsurface investigation program, the Site is underlain by two distinct stratigraphic units. The uppermost unit is generally a sand and gravel material with trace amounts of silt.

This unit is approximately 25 ft thick, and is underlain by a gradational uniform silt layer, the thickness of which exceeded the depth of our exploration. Fill material consisting of bricks, wood debris, and concrete was identified in the area of boring B-5, MW-1, and MW-4. This fill material is approximately seven ft deep and begins at grade. A geologic cross-section is presented in **Figure 11.**
Water level measurements collected in May and June of 2000 (see **Figures 12 and 13**) suggest that groundwater flows to the north. Depth to water from the ground surface ranges from 4.11 ft bgs to 11.03 ft bgs. Anomalies in the water level data were noted for wells MW-4, MW-5, and MW-7. These anomalies are likely the result of fill material, underground utilities, or well construction that have altered the static water level in the proximity of these wells. This is evident in MW-4, which is screened in fill material and exhibits a perched water condition within the fill (see **Figure 11**). This results in a questionable high water level elevation. A large portion of the Site is paved, thereby diminishing infiltration and percolation of precipitation and surface runoff. However, there are landscaped areas on the Site that allow precipitation to infiltrate. This is evident over the fill material proximate to the locations of MW-1, MW-4, and boring B-5. Precipitation would likely maintain the perched water table condition.

Based on the water level measurements in the deep wells (MW-1, MW-2, and MW-3) when compared to the adjacent shallow wells, there appears to be a single water-bearing zone, although the lower reaches of the unconfined aquifer may have a reduced permeability based on the hydraulic conductivity tests. In general, the hydraulic conductivities (K) of the deeper wells (MW-2 and MW-3) were less than the shallow wells (MW-8 and MW-12). Note that MW-5 has anomalous water level data (possibly due to the fill material). It is not representative of the shallow zone conductivity and, subsequently, was not used for comparison.

Based on the proximity of the Site to tidal estuaries, the Site is likely minimally influenced by tidal fluctuations; however, a quantitative evaluation was not conducted as part of this study.

3.3.2 Contaminant Distribution

Soil

No VOC were detected in soil above the RDCSCC standard. Therefore, it is unlikely that a significant source area of contamination exists on the Site. The existence of free product (NAPL) is unlikely and was not discovered during any investigation activities.

No SVOC were detected above the respective RDCSCC in the soil samples collected from B-5.

TPHC contamination was identified at seven locations (B-61, B-64, B-71, B-106, B-136, B-138, and B-144). The concentration of the contamination ranged from 1,042.12 mg/Kg to 7,099.80 mg/Kg and occurred in the uppermost 1 to 5 ft of soil. No associated VOC concentrations were identified at these locations suggesting that the TPHC contaminants are likely the result of heavier hydrocarbons such as oil and grease, fuel oil, diesel fuel, or similar petroleum compounds. The distribution of TPHC contamination in the soil suggests isolated areas of impact. Several areas of TPHC contamination exist proximate to the Site of the apparent historic fuel station (MW-61, MW-71, and MW-106), suggesting that past operations near this area could be the source of the TPHC contamination. However, none of the TPHC concentrations

encountered at the Site exceeded the 10,000 mg/Kg standard for TOC, and as a result, TPHC is not identified as a COC.

During the SI, lead was detected at Boring B-5 at 601.75 mg/Kg which exceeds the respective RDCSCC of 400 mg/Kg by less than one order of magnitude. TAL metals (which includes lead) were then analyzed at the Boring B-5 location during the expanded SI and no detections above the respective RDCSCC were reported. Metals were then not included in the RI and are not considered a COC.

Groundwater

The results of the SI and the expanded SI identified the Boring B-5 location as a potential source area for VOC and metals groundwater contamination requiring further investigation. In addition, VOC were detected during the RI at concentrations above their respective GWQC at seven boring locations (Boring Nos. 8, 19. 41, 62, 63, 148, and 149). These detections formed the basis for the planning and implementation of the groundwater installation and monitoring program at Site 812.

Groundwater samples (collected from MW-1 through MW-14) were analyzed for VOC, SVOC, pesticides/PCB, and metals during each of two sampling events (May and June 2000). A total of 19 VOC were detected in five monitoring wells (MW-04, MW-05, MW-07, and MW-09) during the May and June 2000 sampling events. Seven of the 16 VOC were detected above their respective GWQC during both sampling events and the cumulative results of m+p-xylenes, and o-xylene exceeded the GWQC during both sampling events. Given the exceedences of the respective GWQC during both sampling events at MW-04, MW-05, and MW-07, the following seven VOC and total xylenes are identified as COC at Site 812: 1,1,1-trichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, benzene, trichloroethene, tetrachloroethene, and VC.

No SVOC or pesticides/PCB were detected above respective GWQC in any of the wells sampled and are not identified as COC at Site 812.

Metals concentrations above New Jersey GWQC were detected in all of the groundwater samples; however, the majority of these metals are consistent with the mineralogy of the geologic formations. Elevated concentrations of aluminum, calcium, iron, magnesium, manganese, potassium, and sodium were detected. These compounds can all be attributed to the natural geologic and hydrogeologic conditions at the Site, as described above.

Cadmium, chromium, copper, lead, and mercury were all identified in the MW-4 sample. However, concentrations have fluctuated near or below the GWQC based on the two sampling events. Future, low-flow groundwater monitoring will be used to assess if these metals are due to suspended sediments in the groundwater samples.

Lead was identified above New Jersey GWQC in several of the other monitoring well locations (MW-1, MW-5, MW-9, MW-12, and MW-13); however, the concentrations did not significantly exceed the GWQC. It is possible that the lead is naturally occurring because of the geologic mineralogy, or higher concentrations were induced as the result of the sampling procedure (i.e.,

turbidity). As previously discussed, future low-flow sampling events will be used to evaluate the significance, if any, of the detected lead.

Primarily based on VOC results of the RI, three areas of environmental impact have been defined at three separate well locations (MW-4, MW-5, and MW-7). These well locations were identified with contaminant concentrations exceeding the GWQC. For remedial purposes, three separate Areas of Concern have been defined: Area 1 for MW-4, Area 2 for MW-5, and Area 3 for MW-7 (see **Figure 10** for the locations and contaminant concentrations and **Figure 14** for the defined Areas of Concern).

Area 1 – MW-4

MW-4 and the proximate groundwater grab sample at Boring B-5 detected VOC contaminant concentrations, consisting primarily of cis-1,2-dichlorethene and, to a lesser degree, trans-1,2-dichloroethene, VC, trichloroethene, 1,1-dichloroethene, PCE, and total xylenes. Benzene was also identified at this location slightly above the GWQC. While concentrations of these VOC exceed the respective GWQC, groundwater grab samples collected in several borings (B-43, B-44, B-45, B-46,B-47, B-59, and B-71),located adjacent to MW-5 and Boring B-5 contained only one VOC detection (Boring B-7 for toluene at 1.47 ug/L) that was below the GWQC, suggesting that the extent of the migration is laterally limited.

The contamination observed at MW-4 appears to be confined to the fill material in which MW-4 is screened (see **Figure 11**). A suspect high water level is exhibited in this well suggesting perched water table conditions within the fill material. Based on the geologic data (i.e., the presence and extent of fill material) coupled with the elevated VOC concentrations in this zone, it is likely that the perched water within the fill material or the fill material itself is the source of the contamination. The vertical extent of this contamination is limited to the upper sandy zone, since the sample collected from a well (MW-1) located near MW-4 and screened directly below this zone had no detectable concentrations of VOC constituents. The black silt (strata in which MW-1 is screened) may be acting as a semi-impermeable barrier, preventing the downward migration of the dissolved phase contaminants from the upper zone (see **Figure 11**).

Anomalous concentrations of bromoform were identified in aqueous samples B-148 and B-149. These concentrations barely exceed the New Jersey GWQC and do not cause significant environmental concern. In addition, a groundwater monitoring well (MW-12) was located in the vicinity of these borings and no VOC were detected during the May and June 2000 sampling events. The concentrations of the chlorinated solvents identified in MW-4 are well below the solubility of those compounds in water, suggesting that no DNAPL exists. In addition, no detectable PID measurements were recorded in MW-1 below the contaminated fill zone, further supporting the absence of dense non-aqueous phase liquids (DNAPL).

In summary, based on the distribution of groundwater contamination in this area, a limited source of contamination may exist within the fill material, resulting in contamination of the perched water within this material. The contaminated perched water then infiltrates downward into the sandy zone diminishing in concentration with depth because of dispersion and dilution. The apparent extent of groundwater contamination is minimal and significant migration is absent, both horizontally and vertically.

Area 2 - MW-5

Concentrations of 1,1,1-TCA were detected at MW-5 during the May and June 2000 sampling events at 10.09 ug/L and 43.71 ug/L, respectively and at the proximate groundwater grab sample collected at Boring B-8 (84.32 ug/L). The June groundwater detection at MW-5 and the groundwater grab sample at Boring B-8 both exceed the New Jersey GWQC for 1,1,1-TCA of 30 ug/L. Contaminant concentrations may decline to less than the New Jersey GWQC by natural degradation processes and dilution if the area remains undisturbed. Groundwater grab samples collected in several borings (B-7, B-15, B-16, B-23, and B-24) adjacent to the periphery of the impacted area contained only one detection of 1,1,1-TCA (Boring B-7 at 7.41 ug/L) that was below the GWQC, suggesting that the extent of the migration is laterally limited. Similar to the MW-1 area, the vertical extent of contamination is likely impeded by the presence of the silt layer at approximately 25 ft bgs.

Area 3 - MW-7

Concentrations of 1,1,1-TCA were detected at MW-7 during the May and June 2000 sampling events at 41.84 ug/L and 6.36 ug/L, respectively with the May result exceeding the GWQC of 30 ug/L. Groundwater grab samples collected in several borings adjacent to the periphery of the impacted area (Borings B-41, B-42, B-161A, and B-162) contained only one detection of 1,1,1-TCA (Boring B-42 at 4.69 ug/L) that was below the GWQC, suggesting that the extent of the migration is laterally limited. Concentrations may decline to less than the New Jersey GWQC by natural degradation processes and dilution if the area remains undisturbed. Similar to the MW-1 area, the vertical extent of contamination is likely impeded by the presence of the silt layer at approximately 25 ft bgs.

The data from the most recent sampling indicate that the following VOC analytes are present at concentrations above the GWQC in one or more wells: (1) benzene; (2) 1,1,1-trichloroethane, and (3) tetrachloroethene and its daughter products (trichloroethene, cis-1,2-dichloroethene and VC). The results of the groundwater monitoring program show that VOC concentrations have decreased over time and have not migrated off-site. The fact that there is no increase in concentrations of the contaminants detected above the GWQC with time indicates that no new sources of contamination have impacted the plume. It should be noted that groundwater is the only apparent media that has been impacted. Soils appear relatively clean suggesting a small source area of contamination.

The results of the monitoring program at Site 812 indicate that the groundwater contaminant plume is relatively stable and exists in three defined areas: (1) Area 1 (MW-4); (2) Area 2 (MW-5); and Area 3 (MW-7). Evaluation of the soil and groundwater data indicates that Area 1 contaminants (cis-1,2-dichloroethene) are unrelated to the Area 2 and 3 contaminants (1,1,1-trichloroethane), and that the Area 1 plume is more likely to result in the migration of contaminants with time.

Monitoring wells MW-5 and MW-7 (Areas 2 and 3) have each been impacted by the same contaminant (1,1,1-trichloroethane), potentially the result of the same source material. Through natural degradation or dilution, the low-level contamination in these areas will quickly degrade

to concentrations below New Jersey GWQC. Based on the results of borings proximate to MW-5 and MW-7, it is unlikely that the extent of contamination extends significantly beyond the actual sampling locations of MW-5 and MW-7. Treatment of soil and/or groundwater at these locations is arguable based on the low contaminant concentrations. The focus of potential remedial alternatives target MW-4 (Area 1) and the potential migration of COC to the north, i.e., in the direction of groundwater flow.

For Area 1 (MW-4), the vertical distribution of contamination suggests that a contaminant source may exist in the fill material in which MW-4 is screened (see **Figures 3, 9, and 12 of Appendix H**). A suspect high water table is exhibited in this well suggesting perched water conditions within the fill material. Based on the geologic data (i.e., the presence and extent of fill material) combined with the elevated VOC concentrations in this zone, it is likely that the perched water within the fill material or the fill material itself is the source of the contamination. The vertical extent of contamination is limited to the upper sandy zone (Tinton and Upper Red Bank Formation). The sample collected from nearby MW-1, which is completed in the deeper formations directly below MW-4, had no detectable VOC. Area 1 may be considered a source location for the isolated benzene plume and tetrachloroethene "parent – daughter" plumes.
In a proactive effort to augment the natural attenuation process, Fort Monmouth is proposing to implement a remedial action for the groundwater at Site 812. The following section details the proposed remedial action.

SECTION 4.0
REMEDIAL ACTION WORKPLAN

4.1 CHECK LIST

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

- Remedial Investigation Report pursuant to N.J.A.C. 7:26E-4.8;
- Soil Remediation Plan
  a) Description of remedial action and remedial technology for each area of concern (N.J.A.C. 7:26E-6.2(a)(5))
  b) Post-remedial sampling (N.J.A.C. 7:26E-6.3 & 6.4)
  c) Compound-specific cleanup goals (N.J.A.C. 7:26E-6.2(a)(4))
  d) Scaled Site maps (N.J.A.C. 7:26E-4.9 & 6.2(a)(6))
  e) Permit requirements/applications (N.J.A.C. 7:26E-6.2(a)8)
  f) System specifications and construction information (N.J.A.C. 7:26E-6.2(a)(9))
  g) Soil erosion and sediment control plan (N.J.A.C. 7:26E-6.2(a)(10))
  h) Soil disposal/soil re-use plan (N.J.A.C. 7:26E-6.4(b));
- Groundwater Remediation Plan
  a) Plume(s) delineated
  b) Wells properly constructed
  c) Flow direction defined, including groundwater elevation contour maps
  d) Description of remedial action and remedial technology for each area of concern (N.J.A.C. 7:26E-6.2(a)(5))
  e) Compound-specific cleanup goals (N.J.A.C. 7:26E-6.2(a)(4))
  f) Remedial monitoring plan/effectiveness evaluation plan
  g) Hydraulic control information/maintenance
  h) Treated water discharge location
  i) Scaled Site maps (N.J.A.C. 7:26E-4.9 & 6.2(a)(6))
  j) Permit requirements/applications (N.J.A.C. 7:26E-6.2(a)8)
  k) System specifications and construction information (N.J.A.C. 7:26E-6.2(a)(9));
- Data presentation format and quality assurance project plan (N.J.A.C. 7:26E-6.2(a)(7));
- Site Specific Health and Safety Plan (N.J.A.C. 7:26E-6.2(a)(11));
- Site restoration plan and remedial system dismantling plan (N.J.A.C. 7:26E-6.2(a)(12) &(13));
- Cost estimate (N.J.A.C. 7:26E-6.2(a)(14); and
- Schedule of implementation (N.J.A.C. 7:26E-6.2(a)(15)).

4.2 SITE SUMMARY

Site 812 is located on the southwestern corner of the Main Post area and covers approximately 2.75 acres. The Site is located in an area of the installation encompassing office and administration buildings and paved parking lots. Building 812 currently contains the Army Community Service Center for Fort Monmouth. While Site 812 is located on an Army controlled installation, there are currently no specific engineering or institutional controls in-place. The conceptual model for Site 812 suggests areas of flat to gently sloping surface soils underlain by fill material consisting of debris mixed with organic material and silty, clayey sandy soil. The fill is underlain by natural soil consisting of low permeability silty, clayey sand. The saturated zone is unconfined (water table conditions) and groundwater flows in a northerly direction.

4.2.1 Summary of Areas of Environmental Concern

Based on the results of the RI, three (3) areas of concern at Site 812 are evident. The first area (Area 1), and the area of most concern, is proximate to monitoring wells MW-1and MW-4 and Boring B-5 and encompasses approximately 1,400 square ft (sq ft). To a lesser degree of concern is Area 2, which is proximate to monitoring well MW-5 and Boring B-8, encompassing approximately 875 sq ft, and Area 3, which is proximate to monitoring well MW-7 and encompasses approximately 500 sq ft. Although these areas all have contaminants that exceed the New Jersey GWQC, only Area 1 significantly exceeds the standards (by several orders of magnitude). Areas 2 and 3 do not significantly exceed the standards. At these concentrations, the VOC contaminants in Areas 2 and 3 will likely degrade, dilute, or disperse to concentrations less than the GWQC in a relatively short time period. Based on the soil and groundwater data, it is apparent that the Area 1 COC plume (1,2-DCE) is isolated and unrelated to the COC plume (1,1,1-TCA) present in Areas 2 and 3.

The extent of Area 1 contamination appears to be confined to a small area in the upper 5 to 10 ft of soil and groundwater. A groundwater sample collected below this area (MW-1) had no detectable concentrations of chlorinated organics contamination. The lateral extent of contamination is also minimal since soil borings on the periphery of Area 1 (less than 20 ft from the area inclusive of borings B-42, B-44, B-46, B-59) are not impacted. The extent of contamination is indicative of a small release in the near-surface.

Monitoring wells MW-5 and MW-7 (Areas 2 and 3) have each been impacted by the same contaminant (1,1,1-TCA). Through natural degradation or dilution, the low-level contamination in these areas is predicted to quickly degrade to concentrations below New Jersey GWQC. Based on the results of borings proximate to MW-5 and MW-7, it is unlikely that the extent of contamination extends significantly beyond the actual sampling locations of MW-5 and MW-7. Treatment of soil and/or groundwater at these locations is arguable based on the low contaminant concentrations. The focus of potential remedial alternatives target groundwater monitoring well MW-4 (Area 1) and the potential migration of COC to the north of Area 1, i.e., in the direction of groundwater flow.

4.2.2 Summary of Proposed Remedial Action(s)

Based on the summary of the areas of environmental concern presented above and the conceptual model for Site 812 developed in the RI, the following remedial action approach will be evaluated:

- Continued groundwater monitoring to demonstrate contaminant degradation due to ongoing natural attenuation.
- The natural attenuation occurring at Site 812 will be evaluated against the implementation of potentially applicable remedial technologies to enhance/accelerate the ongoing natural attenuation and/or more directly mitigate the residual levels of chlorinated organics.

Based on the localized areas of contamination and relatively low concentrations of contaminants discussed above, an in-situ chemical or bioremediation treatment of the three affected areas will be evaluated to enhance/accelerate the natural attenuation process and/or more directly mitigate the residual levels of chlorinated organics. It is expected that compliance with NJDEP GWQC can be achieved relatively easily and within a reasonable period.

4.2.2.1 Area(s) Proposed for Remedial Action

The three (3) delineated areas of concern at Site 812 (Area 1, Area 2, and Area 3) are the areas proposed for remediation at Site 812. Area 1 is proximate to groundwater monitoring wells MW-1, MW-4, and Boring B-5 and encompasses approximately 1,400 sq ft. Area 2 is approximate to groundwater monitoring well MW-5 and Boring B-8 encompassing approximately 875 sq ft, and Area 3, is proximate to groundwater monitoring well MW-7 encompassing approximately 500 sq ft.

4.2.2.2 Identification of Applicable Remediation/Cleanup Standards

The COC and media proposed for remedial action at Site 812 are the eight (8) VOC detected above the New Jersey GWQC at Areas 1, 2, and 3 in the shallow groundwater. The applicable remediation/cleanup standards are the respective New Jersey GWQC:

VOC Parameter	NJDEP GWQC (µg/L)
1,1-Dichloroethene	2
Benzene	1
Cis-1,2-Dichloroethene	10
Tetrachloroethene	1
Trans-1,2-Dichloroethene	100
Trichloroethene	1
Vinyl Chloride	5
1,1, 1-Trichloroethane	30

4.2.2.3 Description of Proposed Remedial Actions/Technologies

The proposed remedial actions/technologies to be evaluated at Site 812 include chemical treatment, bioremediation, and monitored natural attenuation. A discussion of each of these technologies is provided below.

Chemical Treatment

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

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

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

<u>Oxygen Release Compounds (ORC)</u>

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

<u>Fenton Reagents</u>

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

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

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

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

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

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

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

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

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

Bioremediation

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

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

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

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

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

Bioremediation applications fall into two broad categories: in-situ (in-place) or ex-situ (removed, out-of-place). In-situ bioremediation treats the contaminated soil or groundwater where originally detected. Consequently, it may be less expensive, create less dust, and cause less release of contaminants than ex-situ techniques. In addition, it is possible to treat a large volume of media at one time using in-situ methods. In-situ techniques, however, are generally slower than ex-situ techniques, but are more cost effective at sites with permeable (i.e., sandy or uncompacted) soil and transmissive aquifers. Ex-situ bioremediation processes require removal of the contaminated soil or groundwater (e.g., excavation of contaminated soil or pumping of groundwater) before treatment. In the case of this Fort Monmouth RAW, only in-situ bioremediation was considered and evaluated.
The goal of aerobic in-situ bioremediation is to supply oxygen and nutrients to microorganisms in the soil. Aerobic in-situ techniques can vary in the way they supply oxygen to the microbes that degrade the contaminants. Two most common methods are bioventing and the injection of hydrogen peroxide. Oxygen can be provided naturally in well-vented soils, by pumping air into the soil above the water table (bioventing) or below the water table (air sparging), or by delivering oxygen in liquid or solid form as hydrogen peroxide or a peroxide salt to the subsurface. In-situ bioremediation may not work well in clays or in highly layered subsurface environments because oxygen cannot be evenly distributed throughout the area. In-situ remediation typically requires years to reach cleanup goals, depending mainly on the biodegradability of the specific contaminant. Less time is generally required with easily degradable contaminants.

<u>Bioventing/Air Sparging Systems</u>

These systems deliver air (oxygen) from the atmosphere into the soil and/or groundwater through injection wells placed in the ground where the contamination exists. The number,

location, and depth of the wells depend on many geological factors and engineering considerations.

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

Hydrogen Release Compounds

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

Biodegradation is useful for many types of organic wastes, particularly petroleum related compounds (aerobic bioremediation) and chlorinated hydrocarbons (anaerobic bioremediation), and is a cost-effective, natural process. The extent and success of biodegradation is highly dependent on the toxicity and initial concentrations of the contaminants, their respective biodegradability, the properties of the contaminated soil, the particular treatment system and associated operation of the system to control the soil environment and growth of microorganisms. The effectiveness of bioremediation is limited at sites with high concentrations of metals, highly chlorinated organics, or inorganic salts because these compounds are toxic to microorganisms. In addition, the soil must be carefully controlled and monitored to ensure the proper oxygen content, moisture levels, soil nutrients and optional outside carbon source levels, soil pH, soil redox potential, and temperature are maintained to optimize environmental conditions to promote and enhance the growth of microorganisms. Seasonal changes in temperature will also slow or possibly stop the biological process during winter months, as microorganisms are temperature sensitive.

Monitored Natural Attenuation

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

The term "monitored natural attenuation" became EPA policy under OSWER Directive (9200.4-17P) with the objective to emphasize and require that a long-term monitoring program become

an important component of a remedy where natural processes are to be relied upon to achieve the cleanup objectives. The intent of the directive was to distinguish between the case where "monitored natural attenuation"(MNA) is used as a remedy, as opposed to the case where "natural attenuation" processes are occurring as part of a no-action remedy and are not being relied upon to attain a remedial objective. The NJDEP has also accepted "monitored natural attenuation" as an optional remedy for the cleanup of a contaminated Site, particularly in the case of underground storage tanks.

"Natural attenuation" is the effect of natural processes (i.e., those which do not require human intervention such as engineered enhancement or controls) which reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil or groundwater. It is a passive method of treatment; however, the U.S. Environmental Protection Agency (USEPA) and NJDEP expect that source control and long-term performance monitoring will be fundamental components of any remedy that relies primarily on natural attenuation processes. MNA generally includes the use and maintenance of reliable institutional controls to prevent the use of the contaminated groundwater. USEPA and NJDEP do not view MNA to be a "no action" or "walk-away" approach, but rather consider it to be an alternative means of achieving remediation objectives that may be appropriate for specific, well-documented site circumstances where it meets the applicable statutory and regulatory requirements.

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

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

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

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

- As with any in-situ process, generation of lesser volume of remediation wastes, reduced potential for cross-media transfer of contaminants commonly associated with ex-situ

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

The potential disadvantages of using MNA include:

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

While MNA could be implemented at Site 812, a more active remedy will be pursued to reduce the time required to reach the identified remediation cleanup standards.

4.2.3 Proposed Remedial Alternative

The DPW proposes using biological enhancement agents (i.e., HRC) at the three affected areas to directly enhance/accelerate the naturally occurring in-situ anaerobic bioremediation at the Site and retard the generation and extent of VC migration in the groundwater. The proposed remedial alternative at Site 812 encompasses the implementation of HRC at the three identified areas of concern. Placement of the treatment areas is intended to provide direct treatment of the areas of highest groundwater impact, as well as limit downgradient migration of impacted groundwater. By reducing the source of contaminants, the volume and migration of generated degradation products, specifically VC, will also be reduced. HRC will be injected to 4-8 ft bgs in a 10-foot interval treatment grid in the three established hot spot areas, centered on the three monitoring wells (MW-4, MW-5, and MW-7).

The total number of injection locations is estimated as follows:

- Area 1 – 25 locations
- Area 2 – 20 locations
- Area 3 – 12 locations

In addition, to maintain subsurface anaerobic conditions within the treatment area, an upgradient injection of HRC will be performed approximately 30 days following the initial HRC application. The anaerobic barrier will be installed approximately 15-20 ft upgradient of the three treatment areas and will be approximately 90 ft in length. The barrier will be injected in two rows offset by 5 ft (creating a "picket fence" pattern) on 10-foot centers. **Figure 14** depicts the approximate locations of the three proposed remedial treatment areas and the infiltration barrier. Approximately 4,200 pounds of HRC will be applied to the Site and the enhanced bioremediation is expected to continue for a minimum of 12 months. HRC will be applied at a rate of approximately 13½ pounds per vertical foot. The HRC will be applied using direct push technology via a mobile, truck-mounted GeoProbe®. Injection points will be terminated at approximately 10 ft bgs. After the completion of each injection point, a high-pressure pump will be used to inject the HRC from 4 – 8 ft bgs.

Quarterly groundwater monitoring of MW-01 through MW-08 and MW-12 through MW-14 will be continued following the initial HRC injection. Further, one or more additional downgradient monitoring wells will be located near Husky Brook and incorporated into the groundwater sampling program to monitor performance of the remedial action and retardation of the defined contaminant plume. The monitoring wells will be sampled for VOC+15 and TAL metals. Twelve months following the initial HRC injection, the results and findings will be presented in a Remedial Action Report.

Site 812 exists within the boundary of Fort Monmouth, and as such, is a Federal facility with controlled access. The DPW will continue to maintain a groundwater use restriction within the impacted area. The DPW is the lead agency for all land use issues at Fort Monmouth. The Installation Master Plan resides in the Engineering Services and Planning Division of the DPW. There are no additional institutional controls proposed as part of this Remedial Action.

4.2.3.1 Required Permits and Approvals

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

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

By submittal of this RAW, Fort Monmouth is requesting written approval for Permit-by-Rule discharge for the proposed remedial action, including discharges to groundwater, at Site 812.

4.2.3.2 Deed Notification

Fort Monmouth is a Federal facility and as such, no deed exists. Fort Monmouth proposes to implement active remediation of the shallow groundwater at Site 812 and the DPW will continue to maintain a groundwater use restriction within the impacted area. Site 812 exists within the boundary of Fort Monmouth, and as such, is a Federal facility with controlled access. The DPW is the lead agency for all land use issues at Fort Monmouth. The Installation Master Plan resides in the Engineering Services and Planning Division of the DPW. There are no additional institutional controls proposed as part of this Remedial Action.

4.2.3.3 Location of Proposed Remedial Treatment Units/ Planned Remedial Construction Activities

There will be no temporary or long term structures required regarding the proposed remedial action. The HRC application and confirmatory sampling will be performed utilizing a mobile, truck-mounted GeoProbe®. The anaerobic barrier will be installed, also using a GeoProbe®, approximately 15-20 ft upgradient of the three treatment areas and will be approximately 90 ft in length. Groundwater monitoring wells MW-4, MW-5, and MW-7 already exist.

4.2.3.4 Treatment and Disposal Methods

There is no waste stream generated resulting from this proposed remedial action that would require treatment and disposal.

4.2.3.5 Implementation Schedule

Following approval of this RIR/RAW by NJDEP, the implementation schedule for the proposed remedial action will be as follows:

- Preparation of required plans (e.g., Site-Specific Health and Safety Plan) – 14 days.
- Procurement and delivery to the Site of the HRC biological enhancement products – 30 days.
- Site mobilization/utility clearances – 5 days.
- Establish and survey injection grid – 2 days.
- HRC application – 5 days.
- Installation of anaerobic barrier (performed 30 days following the initial HRC injection) – 3 days.
- Demobilization – 2 days.
- Continued groundwater monitoring of wells MW-01 through MW-08 and MW-12 through MW-14, and one or more downgradient monitoring wells – quarterly for VOC+15 and TAL metals.

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

4.2.3.6 Soil and Sediment Erosion

As described within this document, the proposed remedial measures will be accomplished using a GeoProbe®. There is no planned disturbance of the soil as part of the proposed remedial measures. Soil and sediment erosion control measures will be implemented to minimize the transport of soil onto the installation from vehicles entering and exiting the site roadways (e.g., placement of straw, gravel). In addition, protective barriers (e.g., hay, silt fencing) will be placed around storm sewer inlets that are in close proximity to the proposed remedial efforts.

4.2.3.7 Quality Assurance Project Plan

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

4.2.3.8 Site-Specific Health and Safety Plan

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

4.2.4 Site Restoration and Remedial System Dismantling Plan

There will be no temporary or long term structures required regarding the proposed remedial action. The HRC application and confirmatory sampling will be performed utilizing a mobile, truck-mounted GeoProbe®.

4.2.5 Remedial Action Costs

The estimated order of magnitude costs for implementation of the proposed bioremediation utilizing HRC at Site 812 are provided below. The primary assumptions utilized in estimating the order of magnitude costs are as follows:

- There will be three (3) areas of coverage for the HRC injection program: Area 1 – 1,400 sq. ft, Area 2 – 875 sq. ft, and Area 3 – 500 sq. ft. The depth of injection will be 4-8 ft bgs.
- Approximately 57 injection points will be installed to an approximate depth of 10 ft below land surface within the three areas of concern and 20 additional injection points will be required to establish the anaerobic barrier. An application rate of 15 injections per day is assumed. HRC will be applied at a rate of approximately 13½ pounds per vertical foot.
- There are no proposed capital costs associated with the planned remedial action.
- DPW will utilize TVS to support the planned remedial action.
- Analysis Performance samples will be conducted in accordance with the NJ Laboratory Certification Program by the Fort Monmouth Environmental Testing Laboratory (NJDEP Certification #13461).

Estimated Order of Magnitude Costs [1]
Proposed Bioremediation at Site 812 Utilizing HRC

TASK	ESTIMATED COSTS [1]
1. Site Mobilization	$2,500
2. GeoProbe® Injection and HRC Application [2]	
Hydrogen Release Compound – 4,200 lbs.	$ 23,800
Materials	$520
Labor	$3,840
3. Quarterly Groundwater Monitoring (Labor only)	$9,200 [3, 4]
4. Confirmatory Sampling and Analysis	$2,300 [3, 4]
5. Preparation of Remedial Action Report	$15,000
TOTAL ESTIMATED COSTS	$57,160

NOTES: (1) These activities are to be performed directly by the Government.
(2) The Government owns a GeoProbe® and Injection Trailer to be used during the planned remedial action. No costs have been shown for these items.
(3) Quarterly groundwater monitoring costs have been estimated for Four (4) Quarters.
(4) Analyses are performed by the Fort Monmouth Environment Environmental Testing Laboratory.

4.2.5 Maintenance and Evaluation Schedule for Engineering and Institutional Controls

Site 812 is located on an Army controlled installation. Upon completion of the proposed Remedial Action, there are no specific engineering controls proposed for Site 812. The DPW will incorporate a document equivalent to a DER into the Fort Monmouth Installation Master

Plan to restrict future use of groundwater at Site 812, and recognize the planned long-term monitoring of this area.

4.3 PROGRESS REPORTS

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

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

In addition, on an annual basis the actual costs of remediation that have been incurred to date will be summarized and maintained on file at the Fort Monmouth Engineering Services and Planning Division of the DPW.

4.4 POST-REMEDIAL ACTION EVALUATION

Twelve months after the initial HRC injection, the results and findings of the Remedial Action will be reviewed and four potential follow-on scenarios evaluated:

1. No Further Action may be proposed;
2. Further source area treatment i.e., a second HRC injection, may be performed;
3. If the Class III-A aquifer designation is applicable, establishment of Alternate groundwater quality criteria may need to be developed; and/or
4. If it is determined that the Class II GWQC are applicable, establishment of a Classification Exception Area (CEA) may be proposed.

The DPW proposes to implement remedial action at the three affected areas of concern to directly enhance/accelerate naturally occurring in-situ anaerobic bioremediation and retard the generation and extent of VOC contamination in the groundwater. By implementing source control/remediation, the volume and migration of contaminants and potentially generated degradation products will also be reduced. Quarterly groundwater monitoring will be continued.

SECTION 5.0
REFERENCES

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

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

Martin, M. 1998. *Groundwater Flow in the New Jersey Coastal Plain*. USGS Professional Paper 1404-H.

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

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

New Jersey Geological Survey, *Geologic Map of New Jersey*, 1994.

SMC (SMC Environmental Services Group) *Underground Storage Tank Closure and Site Investigation Report, Building 812, Main Post-West Area, NJDEP UST Registration No. 0081533-133*. September 1998.

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

U.S. Army Garrison, Fort Monmouth, Directorate of Public Works (DPW), Nad-83 Base Map of Fort Monmouth, New Jersey.

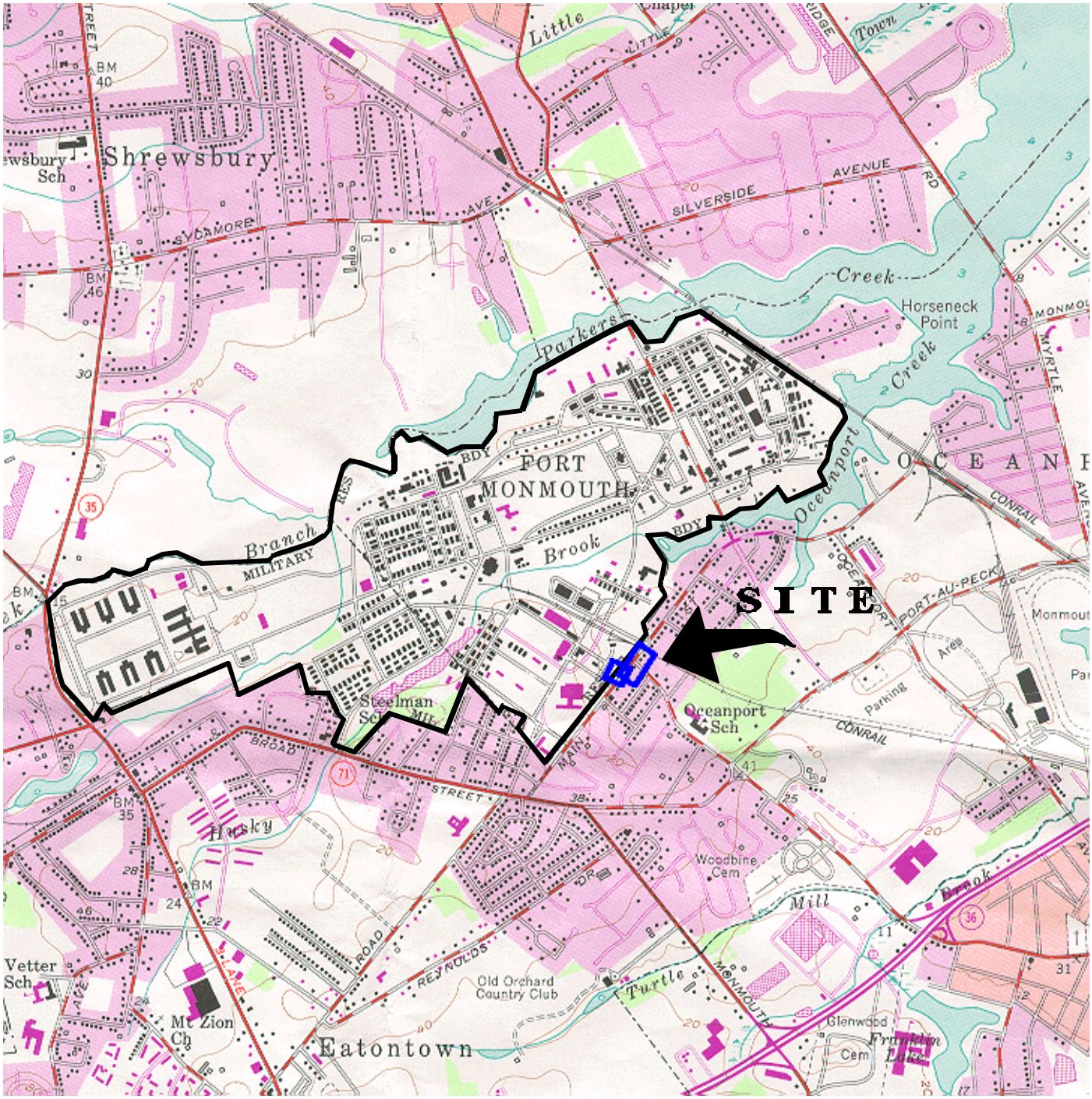
U.S. Department of Agriculture (USDA) Soil Conservation Service, Soil Survey of Monmouth County, New Jersey. 1989.

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

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

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

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 1

LOCATION MAP
Site 812
Fort Monmouth Army Base
Fort Monmouth, NJ

VERSAR
Engineers, Managers, Scientists, & Planners
Bristol, PA

Scale: 1” = 2000’

Date: August 2000

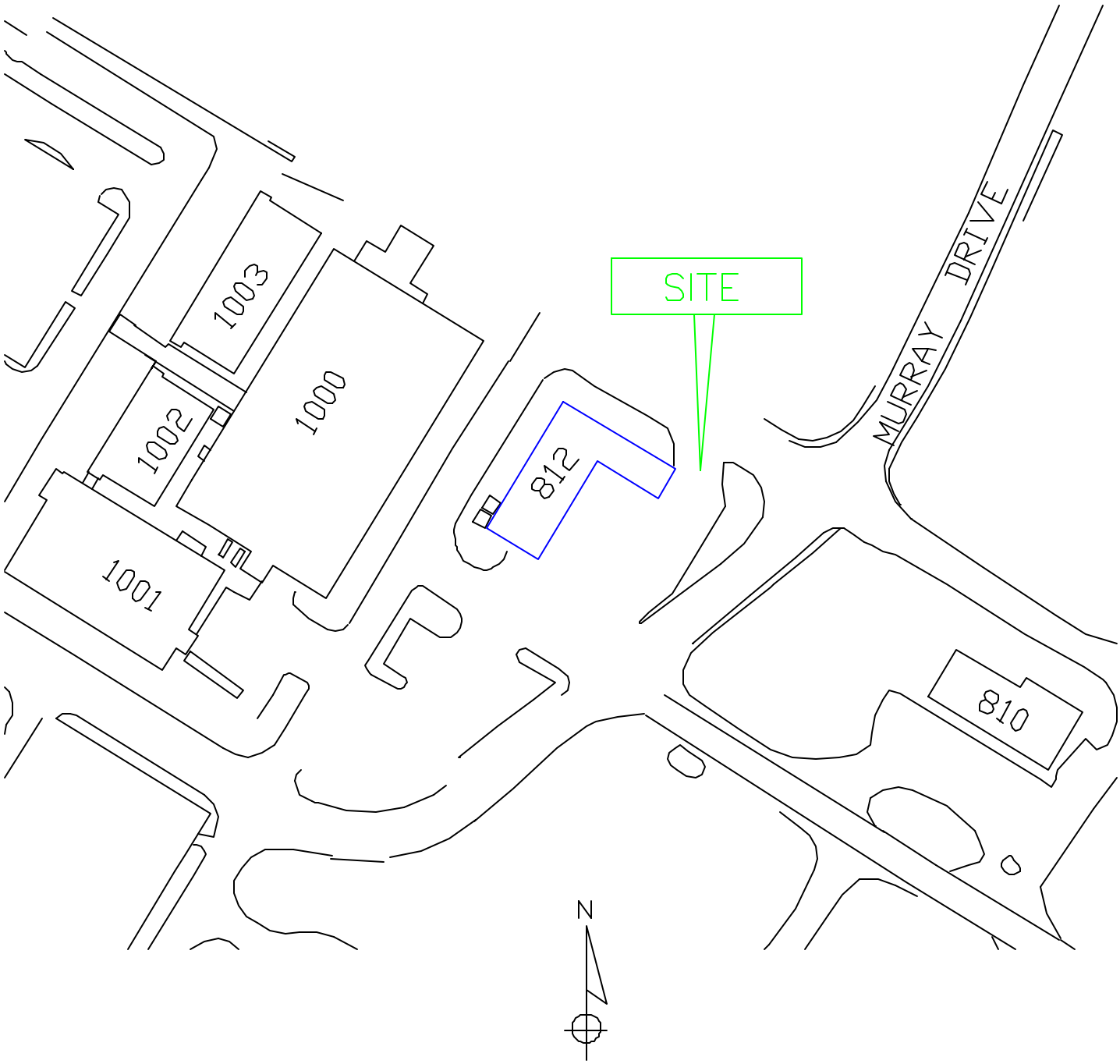


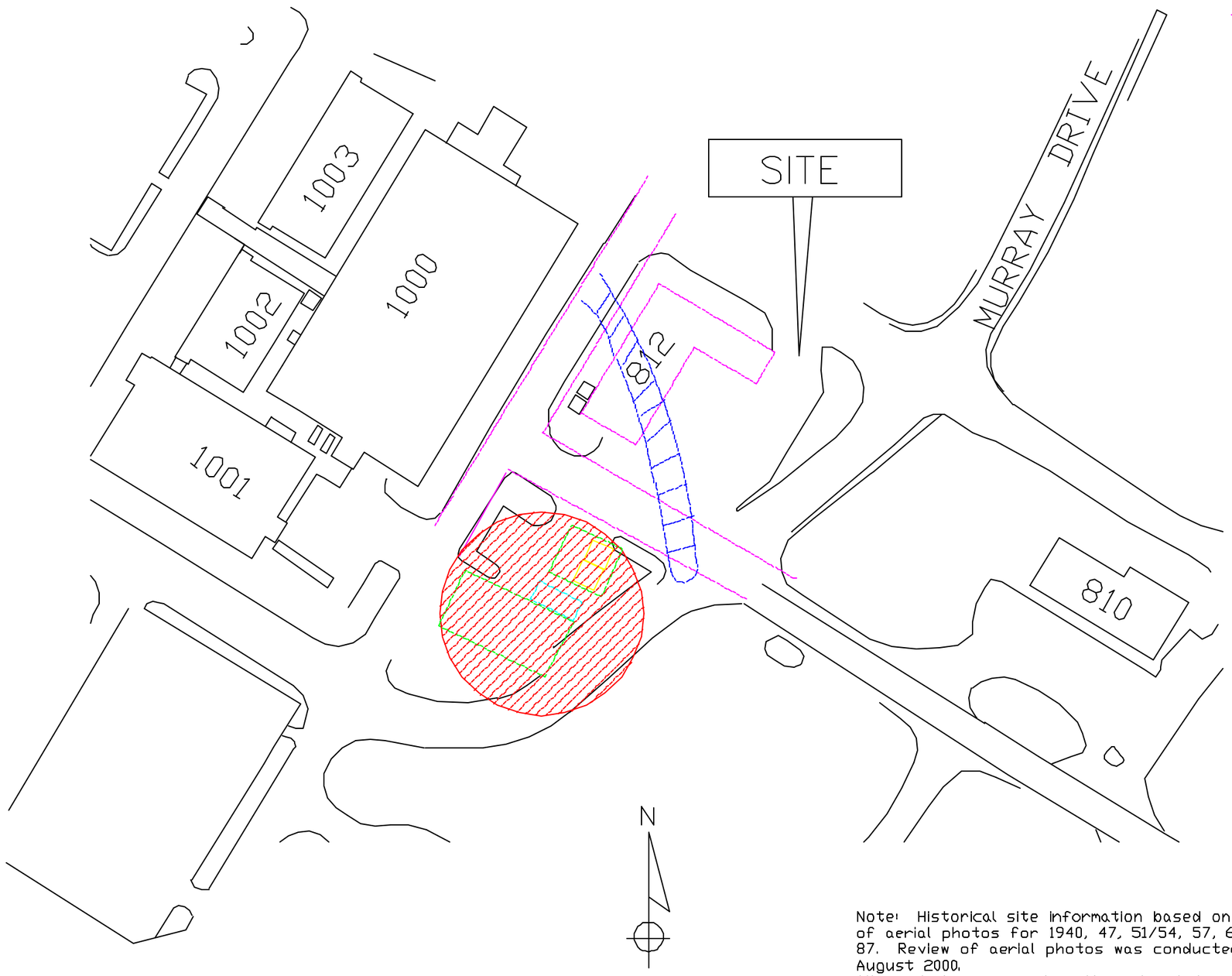
FIGURE 2
SITE MAP
BUILDING 812
FORT MONMOUTH ARMY BASE
MONMOUTH COUNTY, NJ

VERSAR
ENGINEERS, MANAGERS, SCIENTISTS & PLANNERS
BRISTOL, PA.

SCALE: 1"=100'

DATE: JULY 1994

812 FIG2



KEY

Lingation observed in 1940 aerial photograph (not observed in 1947).

Paved roadways and building structures existing as of 1947 aerial photograph to present.

Rectangular building and concrete pad observed in 1951/54 aerial photograph.

Building addtion observed in in 1957 aerial photograph (concrete pad no longer exists).

Unknown objects observed in 1961 aerial photo in vicinity of former concrete pad.

Area of disturbed soil observed in 1971 aerial photpgraphs. Rectangular building and unknown objects no longer observed. Area of disturbed soil paved before 1987.

Note: Historical site information based on review of aerial photos for 1940, 47, 51/54, 57, 61, 71, & 87. Review of aerial photos was conducted on August 2000.
All renderings are schematic and not to scale.

FIGURE 2a
HISTORICAL SITE MAP
BUILDING 812
FORT MONMOUTH ARMY BASE
MONMOUTH COUNTY, NJ

ENGINEERS, MANAGERS, SCIENTISTS & PLANNERS
BRISTOL, PA.

NOT TO SCALE | DATE: AUGUST 2000

Geologic Map of New Jersey

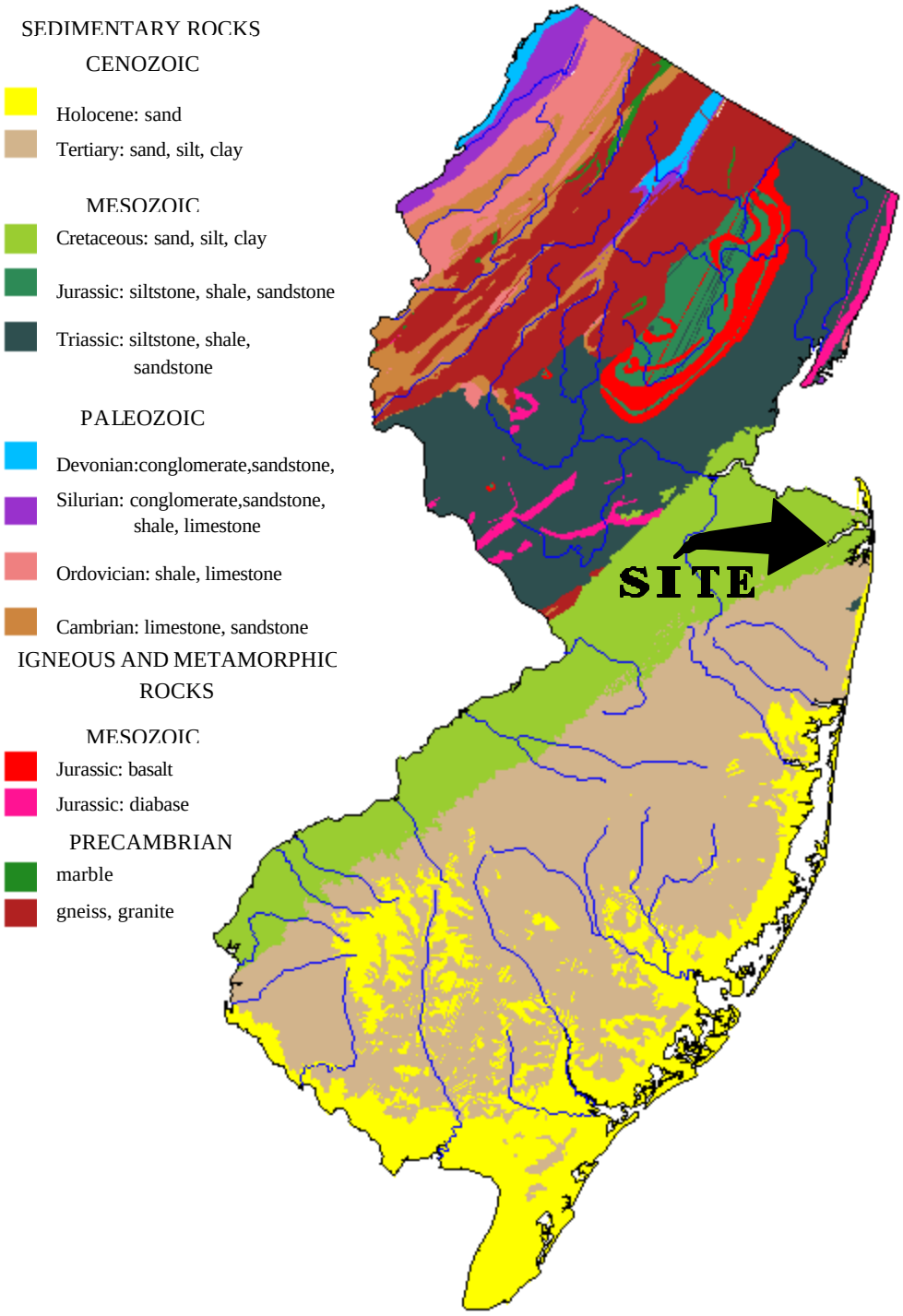
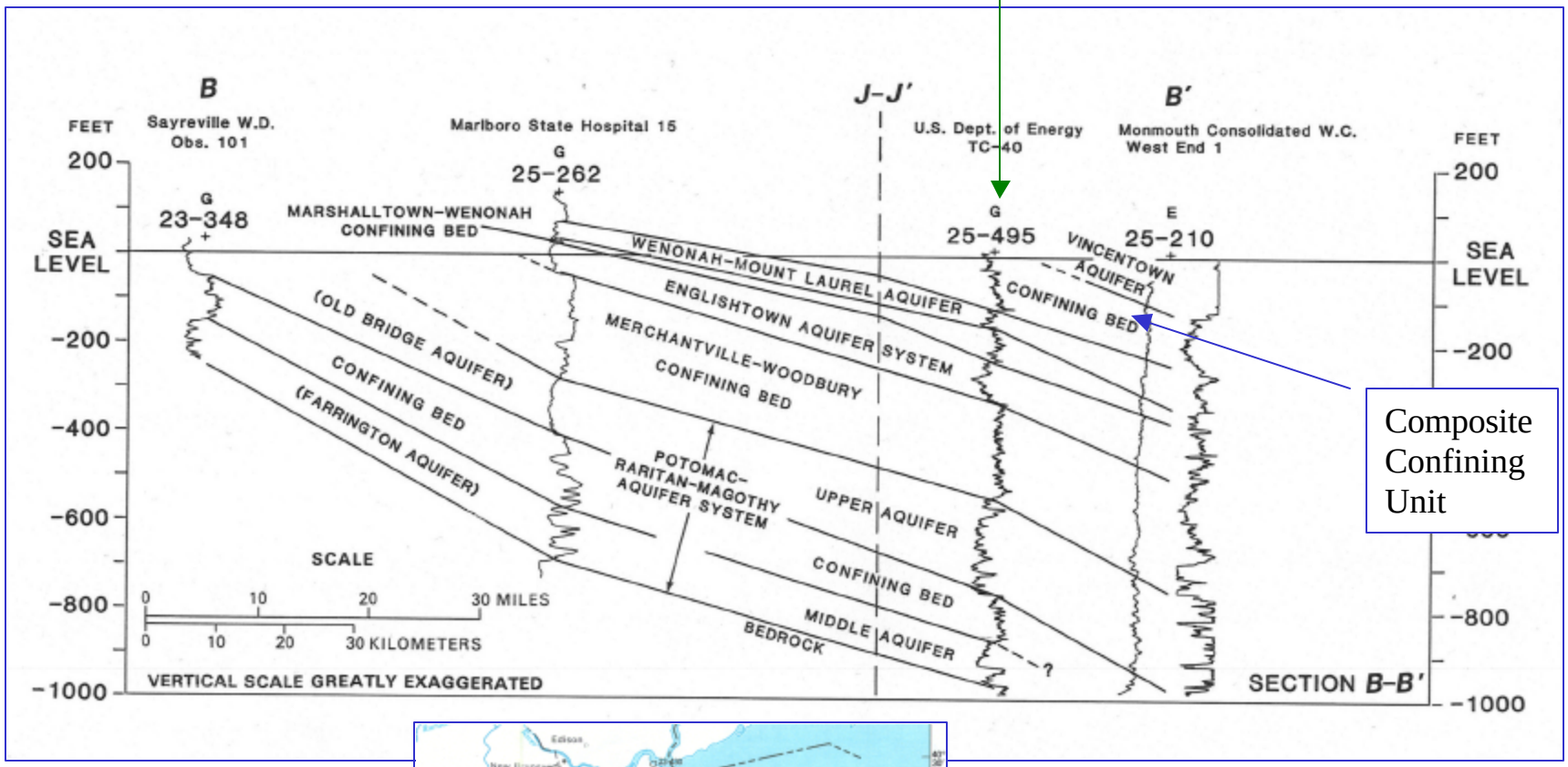


FIGURE 3
Geological Map of New Jersey
Site 812
Fort Monmouth, New Jersey

VERSAR
Engineers, Managers, Scientists & Planners
Bristol, Pennsylvania

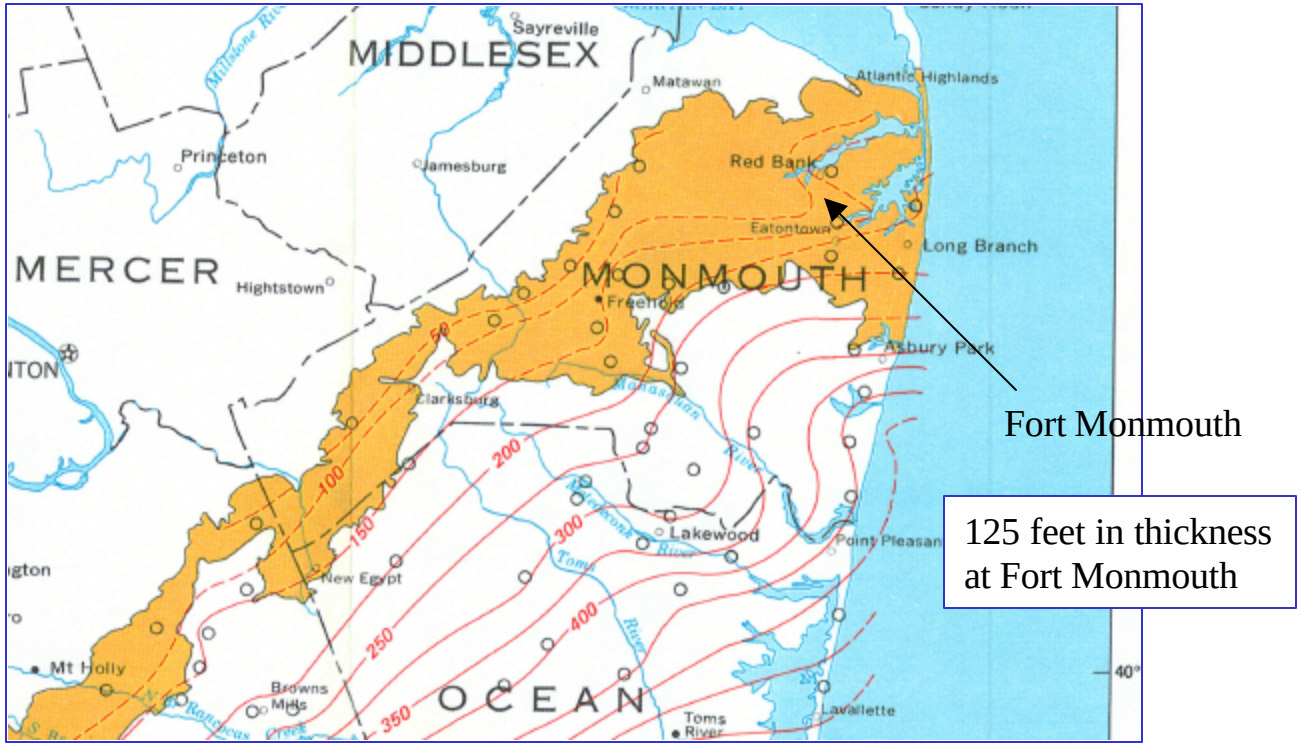


Source: Zapecza, O. 1989. *Hydrogeologic Framework of the New Jersey Coastal Plain.* USGS Professional Paper 1404-B. U.S. Government Printing Office, Washington, DC.

FIGURE 4

Geologic Cross-Section
Site 812
Fort Monmouth, New Jersey

Versar INC.
2558 Pearl Buck Road, Suite 1
Bristol, PA 19007
(215) 788-7844



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 5

Outcrop and Thickness of Composite Confining Unit
Site 812
Fort Monmouth, New Jersey

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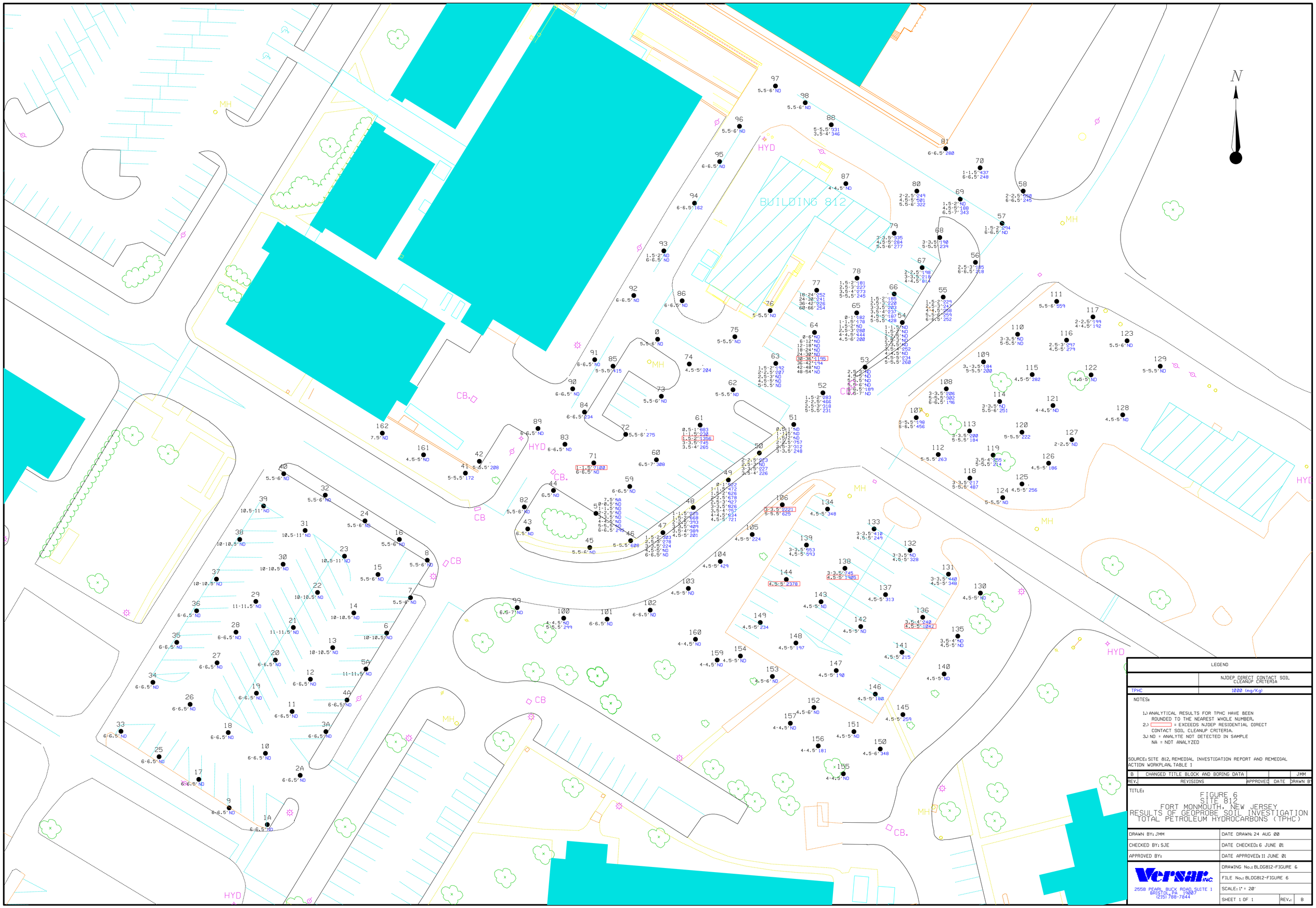

LEGEND	
	NJDEP DIRECT CONTACT SOIL CLEANUP CRITERIA
TPHC	1000 (mg/Kg)

NOTES:

1.) ANALYTICAL RESULTS FOR TPHC HAVE BEEN ROUNDED TO THE NEAREST WHOLE NUMBER.
2.) [ ] = EXCEEDS NJDEP RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA.
3.) ND = ANALYTE NOT DETECTED IN SAMPLE
NA = NOT ANALYZED

SOURCE: SITE 812, REMEDIAL INVESTIGATION REPORT AND REMEDIAL ACTION WORKPLAN, TABLE 1

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
B	CHANGED TITLE BLOCK AND BORING DATA			JMM

TITLE:

FIGURE 6
SITE 812
FORT MONMOUTH, NEW JERSEY
RESULTS OF GEOPROBE SOIL INVESTIGATION
TOTAL PETROLEUM HYDROCARBONS (TPHC)

DRAWN BY: JMM	DATE DRAWN: 24 AUG 00
CHECKED BY: SJE	DATE CHECKED: 6 JUNE 01
APPROVED BY:	DATE APPROVED: 11 JUNE 01

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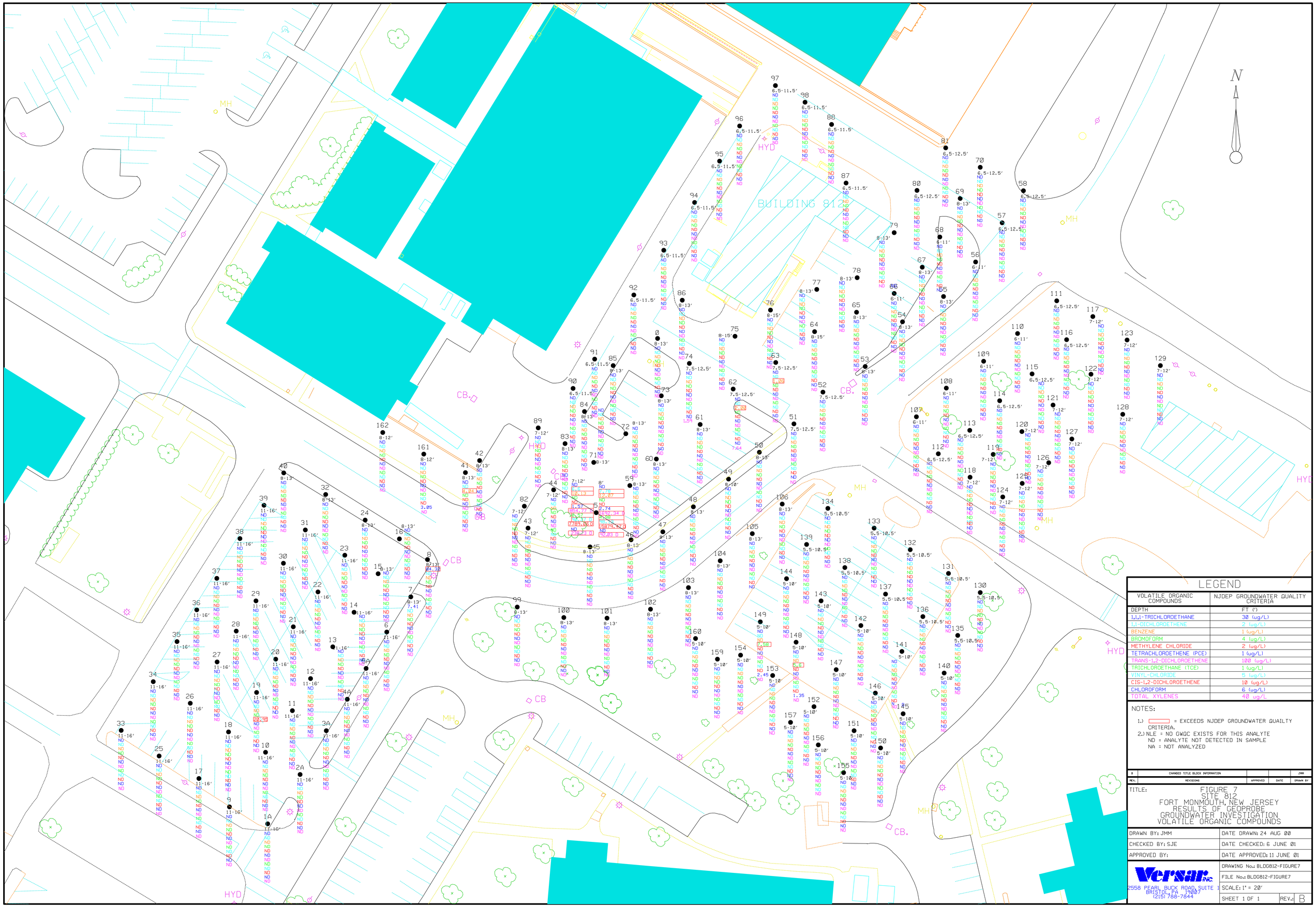
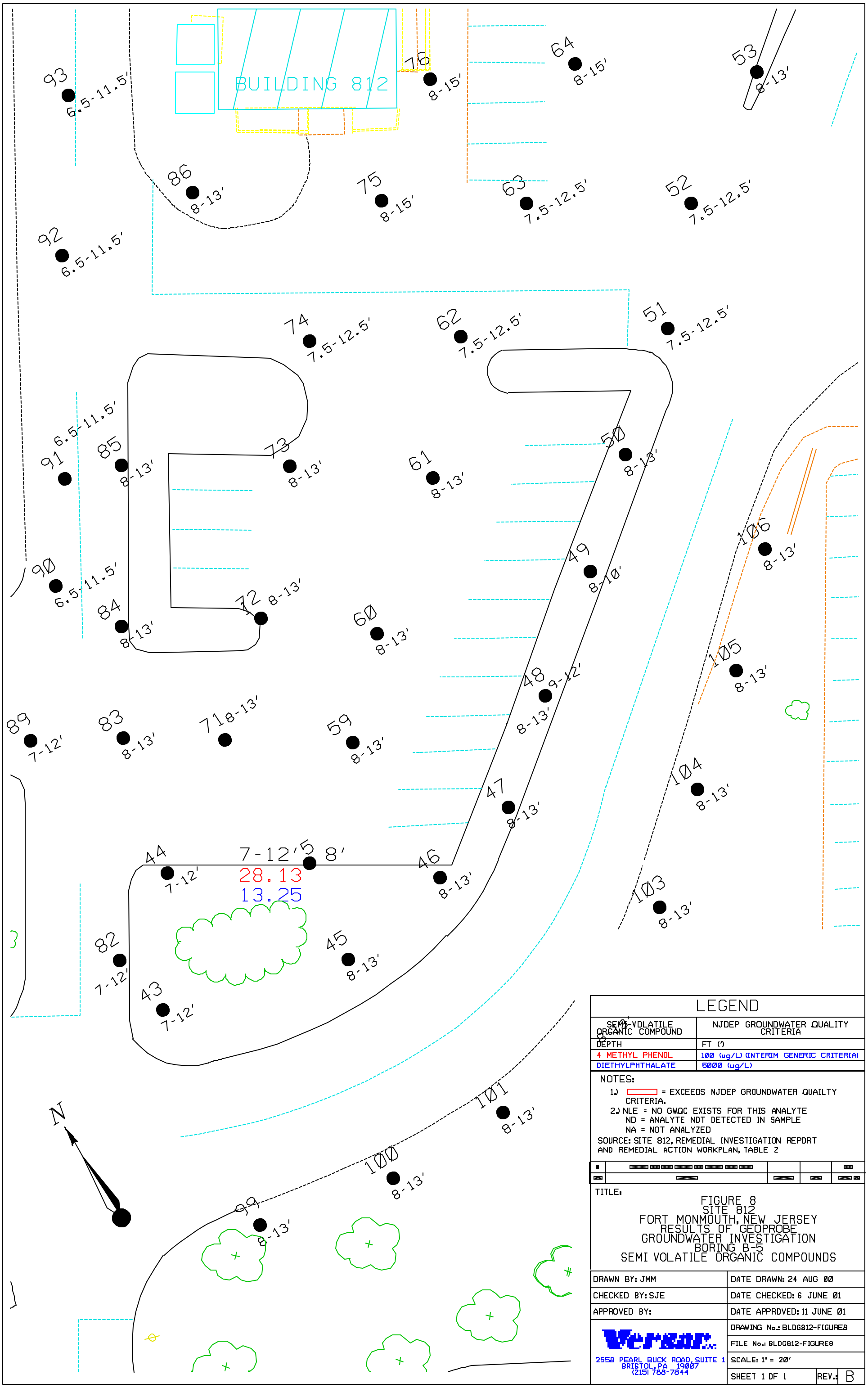
DRAWING No.: BLDG812-FIGURE 6	
FILE No.: BLDG812-FIGURE 6	
SCALE: 1" = 20'	
SHEET 1 OF 1	REV.: B


N
BUILDING 812
HYD
MH
CB
LEGEND
VOLATILE ORGANIC COMPOUNDS
NJDEP GROUNDWATER QUALITY CRITERIA
DEPTH
FT (')
1,1,1-TRICHLOROETHANE
30 (ug/L)
1,1-DICHLOROETHENE
2 (ug/L)
BENZENE
1 (ug/L)
BROMOFORM
4 (ug/L)
METHYLENE CHLORIDE
2 (ug/L)
TETRACHLOROETHENE (PCE)
1 (ug/L)
TRANS-1,2-DICHLOROETHENE
100 (ug/L)
TRICHLOROETHANE (TCE)
1 (ug/L)
VINYL-CHLORIDE
5 (ug/L)
CIS-1,2-DICHLOROETHENE
10 (ug/L)
CHLOROFORM
6 (ug/L)
TOTAL XYLENES
40 ug/L
NOTES:
1.) = EXCEEDS NJDEP GROUNDWATER QUAILTY CRITERIA.
2.) NLE = NO GWQC EXISTS FOR THIS ANALYTE
ND = ANALYTE NOT DETECTED IN SAMPLE
NA = NOT ANALYZED
B
CHANGED TITLE BLOCK INFORMATION
JMM
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 7
SITE 812
FORT MONMOUTH, NEW JERSEY
RESULTS OF GEOPROBE
GROUNDWATER INVESTIGATION
VOLATILE ORGANIC COMPOUNDS
DRAWN BY: JMM
DATE DRAWN: 24 AUG 00
CHECKED BY: SJE
DATE CHECKED: 6 JUNE 01
APPROVED BY:
DATE APPROVED: 11 JUNE 01
Versar INC.
2558 PEARL BUCK ROAD, SUITE 1
BRISTOL, PA 19007
(215) 788-7844
DRAWING No.: BLDG812-FIGURE7
FILE No.: BLDG812-FIGURE7
SCALE: 1" = 20'
SHEET 1 OF 1
REV.: B



LEGEND

SEMI-VOLATILE ORGANIC COMPOUND	NJDEP GROUNDWATER QUALITY CRITERIA
DEPTH	FT (')
4 METHYL PHENOL	100 (ug/L) (INTERIM GENERIC CRITERIA)
DIETHYLPHTHALATE	5000 (ug/L)

NOTES:

1.) ▭ = EXCEEDS NJDEP GROUNDWATER QUAILTY CRITERIA.

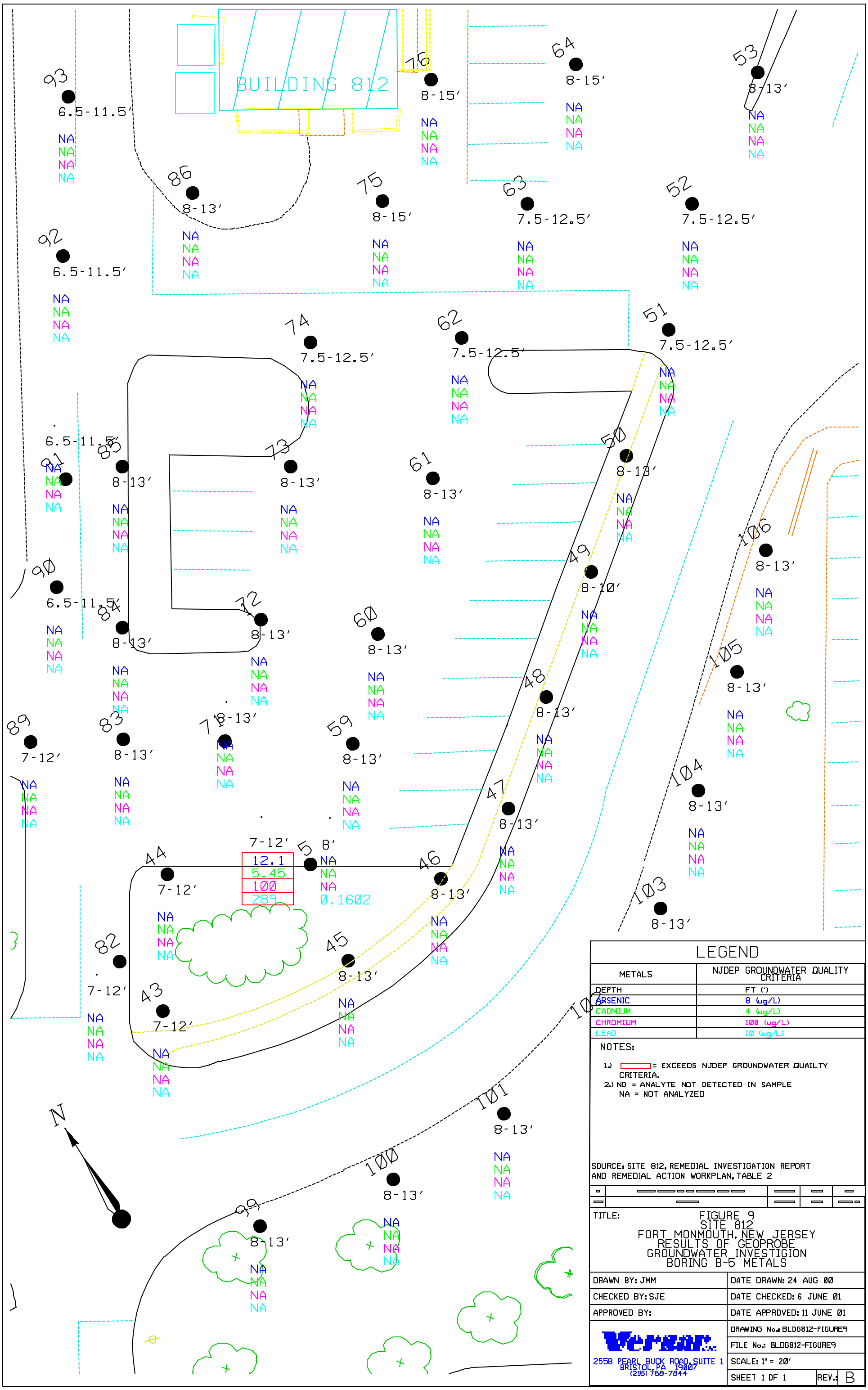
2.) NLE = NO GWQC EXISTS FOR THIS ANALYTE
ND = ANALYTE NOT DETECTED IN SAMPLE
NA = NOT ANALYZED

SOURCE: SITE 812, REMEDIAL INVESTIGATION REPORT AND REMEDIAL ACTION WORKPLAN, TABLE 2

TITLE:

FIGURE 8
SITE 812
FORT MONMOUTH, NEW JERSEY
RESULTS OF GEOPROBE
GROUNDWATER INVESTIGATION
BORING B-5
SEMI VOLATILE ORGANIC COMPOUNDS

DRAWN BY: JMM	DATE DRAWN: 24 AUG 00
CHECKED BY: SJE	DATE CHECKED: 6 JUNE 01
APPROVED BY:	DATE APPROVED: 11 JUNE 01
Versar	DRAWING No.: BLDG812-FIGURE8
	FILE No.: BLDG812-FIGURE8
2558 PEARL BUCK ROAD, SUITE 1 BRISTOL, PA 19007 (215) 788-7844	SCALE: 1" = 20'
	SHEET 1 OF 1 — REV.: B



LEGEND

METALS	NJDEP GROUNDWATER QUALITY CRITERIA
DEPTH	FT (')
ARSENIC	8 (ug/L)
CADMIUM	4 (ug/L)
CHROMIUM	100 (ug/L)
LEAD	10 (ug/L)

NOTES:

1.) ▭ = EXCEEDS NJDEP GROUNDWATER QUAILTY CRITERIA.
2.) ND = ANALYTE NOT DETECTED IN SAMPLE
NA = NOT ANALYZED

SOURCE: SITE 812, REMEDIAL INVESTIGATION REPORT AND REMEDIAL ACTION WORKPLAN, TABLE 2

TITLE: FIGURE 9
SITE 812
FORT MONMOUTH, NEW JERSEY
RESULTS OF GEOPROBE
GROUNDWATER INVESTIGION
BORING B-5 METALS

DRAWN BY: JMM	DATE DRAWN: 24 AUG 00
CHECKED BY: SJE	DATE CHECKED: 6 JUNE 01
APPROVED BY:	DATE APPROVED: 11 JUNE 01
VERSAR INC. 2558 PEARL BUCK ROAD, SUITE 1 BRISTOL, PA 19007 (215) 788-7844	DRAWING No.: BLDG812-FIGURE9
	FILE No.: BLDG812-FIGURE9
	SCALE: 1" = 20'
	SHEET 1 OF 1 REV.: B

LEGEND

NOTES:

1.) = EXCEEDS NJDEP GROUNDWATER QUALITY CRITERIA
2.) NLE = NO LIMIT ESTABLISHED
3.) NDCOC = NO DETECTED CONSTITUENTS OF CONCERN
4.) ND = NOT DETECTED
5.) = DEEP GROUNDWATER MONITORING WELL
6.) = SHALLOW GROUNDWATER MONITORING WELL

SOURCE: SITE 812, REMEDIAL INVESTIGATION REPORT AND REMEDIAL ACTION WORKPLAN, TABLE 3

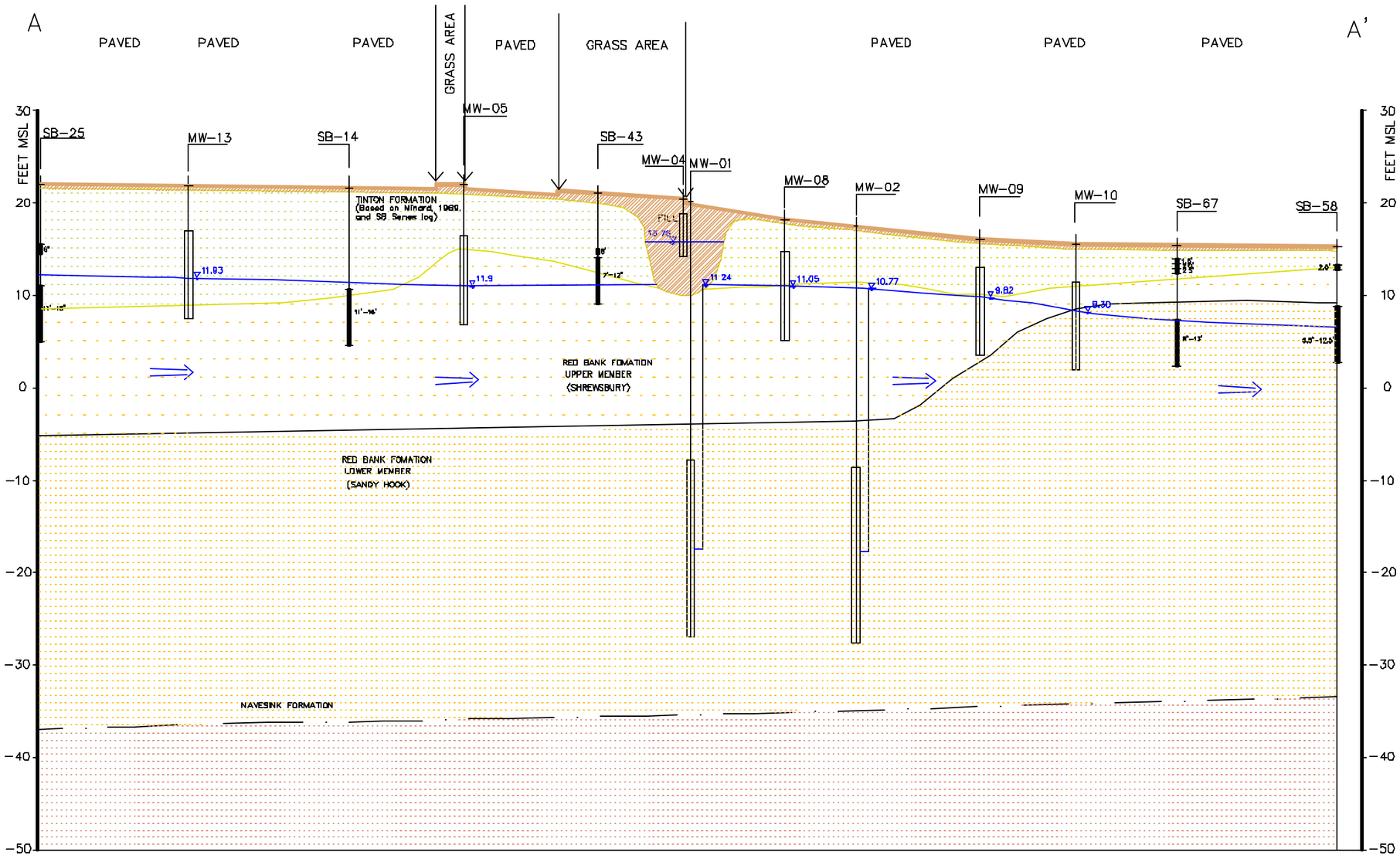
REV.	REVISIONS	APPROVED	DATE	DRAWN BY
B	REMOVED SEMI-VOLATILES AND METALS			JMM

TITLE:
FIGURE 10
SITE 812
FORT MONMOUTH, NEW JERSEY
GROUNDWATER MONITORING
WELL SAMPLING
IDENTIFIED CONSTITUENTS OF CONCERN
VOLATILE ORGANIC COMPOUNDS

DRAWN BY: JMM	DATE DRAWN: 22 AUG 00
CHECKED BY: SJE	DATE CHECKED: 6 JUNE 01
APPROVED BY:	DATE APPROVED: 11 JUNE 01

Versar INC.
2558 PEARL BUCK ROAD, SUITE 1
BRISTOL, PA 19007
(215) 788-7844

DRAWING No.: BLDG812-FIGURE8	
FILE No.: BLDG812-FIGURE8	
SCALE: 1" = 16'	
SHEET OF	REV.: B



LEGEND

MW–2
304' E
10.68

MONITORING WELL WITH SCREENED INTERVAL AND GROUNDWATER ELEVATION (ft–msl)

SB–25

HYDROPUNCH BOREHOLE WITH SOIL AND GROUNDWATER SAMPLE INTERVALS (ft–msl)

TOPOGRAPHIC SURFACE

LITHOLOGIC CONTACT

10.68 GROUNDWATER TABLE

GROUNDWATER FLOW DIRECTION

NOTES

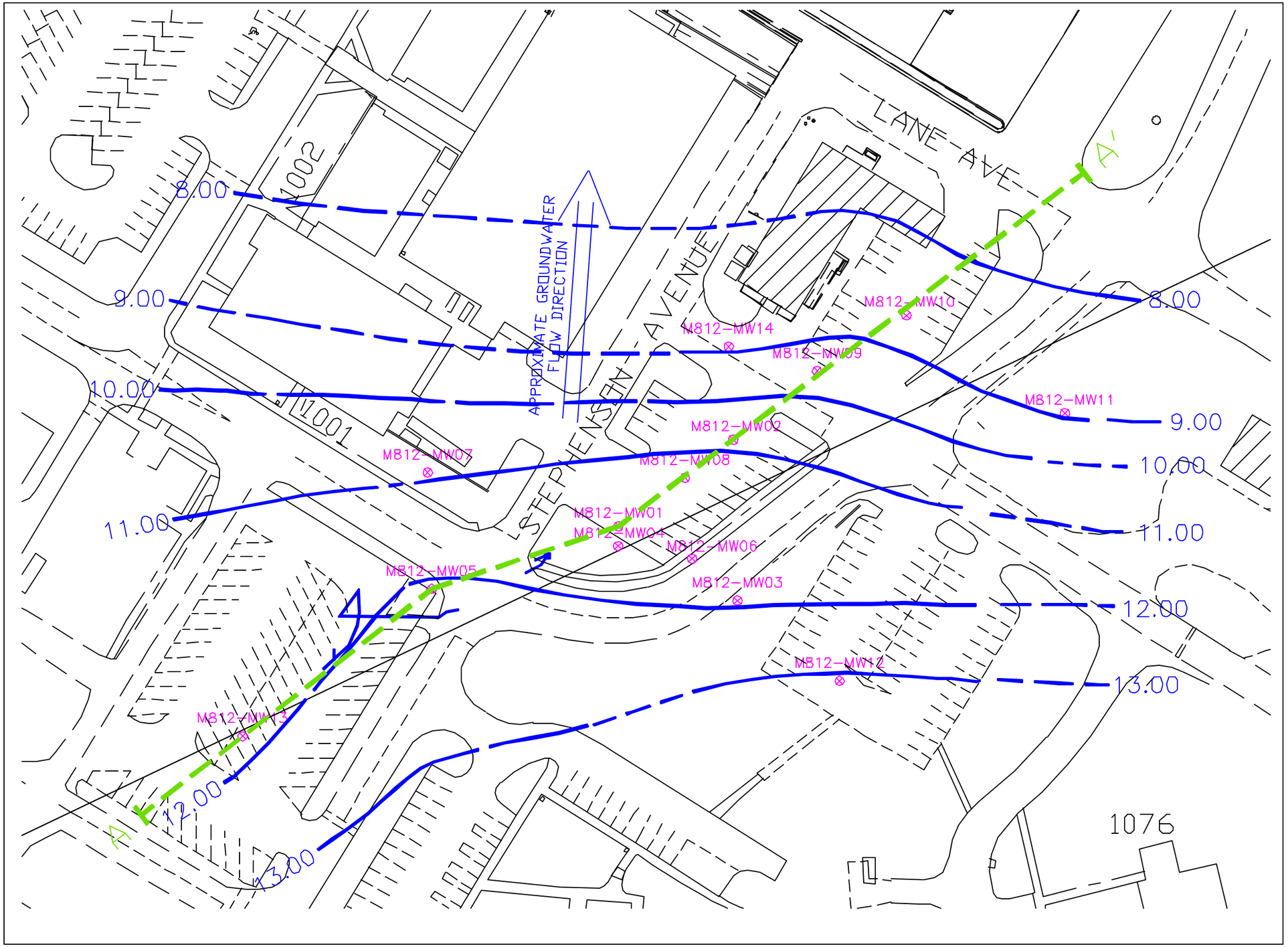
1. Vertical exageration is 5X.
2. Cross section, monitoring well and hydropunch locations are shown on Figure 3–1.
3. Groundwater elevations measured on June 9–12, 2000
4. Horizontal scale is 1 inch equals 60 feet; vertical scale is 1 inch equals 40 feet.
5. Stratigraphic intervals from U.S. Geological Survey and NJ DEP, 1978

60 0 60
horizontal scale feet

12 0
vertical scale feet

vertical exageration 5X

CLIENT: US Army Fort Monmouth – DPW	JOB No: 4936–105	SCALE: AS SHOWN	CROSS SECTION A – A'
	DRAWN: MJ	DATE: 08/28/00	
	CHECKED: SSV	DWG No: XSEC.DWG	
PREPARED BY: VERSAR INC.	PROJECT: Site 812 – Ft. Monmouth		FIGURE 11



ROAD (PAVED)		N ——— N'	CROSS SECTION
MONITORING WELL	⊗		
BUILDING			
GROUNDWATER ELEVATION CONTOUR (DASHED WHEN INFERRED)	8.00		

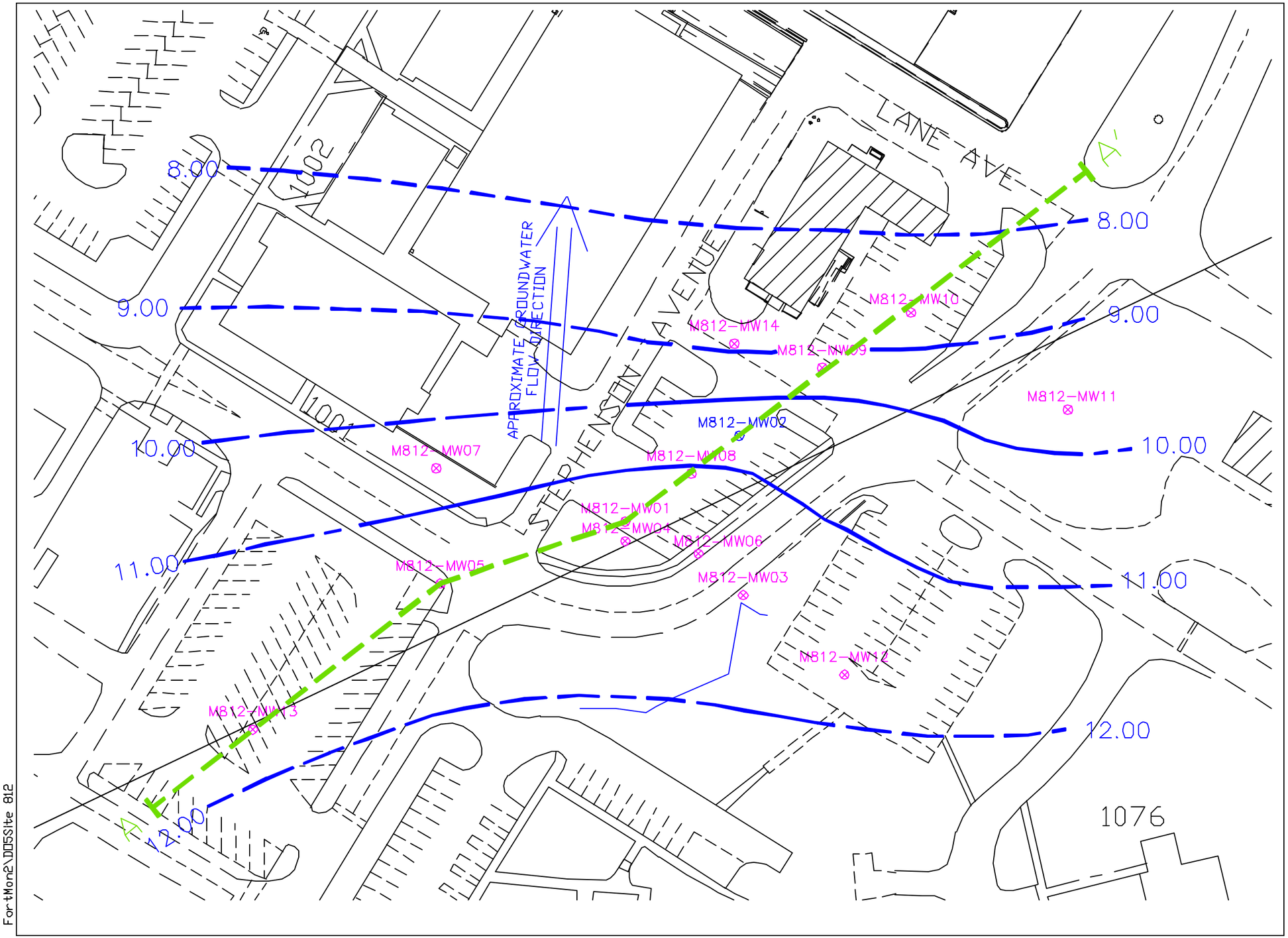
NOTES:
GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

REV.	REVISIONS	APPROVED	DATE	DRAWN BY
1		SJE	02/15/01	TJV

TITLE:
FIGURE 12
GROUNDWATER ELEVATION
CONTOUR MAP (MAY 30, 2000)

DRAWN BY: JMM	DATE DRAWN: 15 JAN 00
CHECKED BY: SJE	DATE CHECKED: 02/15/01
APPROVED BY:	DATE APPROVED:
Versar INC. 2558 PEARL BUCK ROAD, SUITE 1 BRISTOL, PA 19007 (215) 788-7844	FIGURE 12
	SITE 812 FIG 12
	SCALE: NTS
	SHEET 1 OF 1 REV. B

Fortmon2\D05_SITE812



ROAD (PAVED)		A' —— A'	CROSS SECTION
MONITORING WELL	⊗		
BUILDING			
GROUNDWATER ELEVATION CONTOUR (DASHED WHEN INFERRED)	8.00		

NOTES:

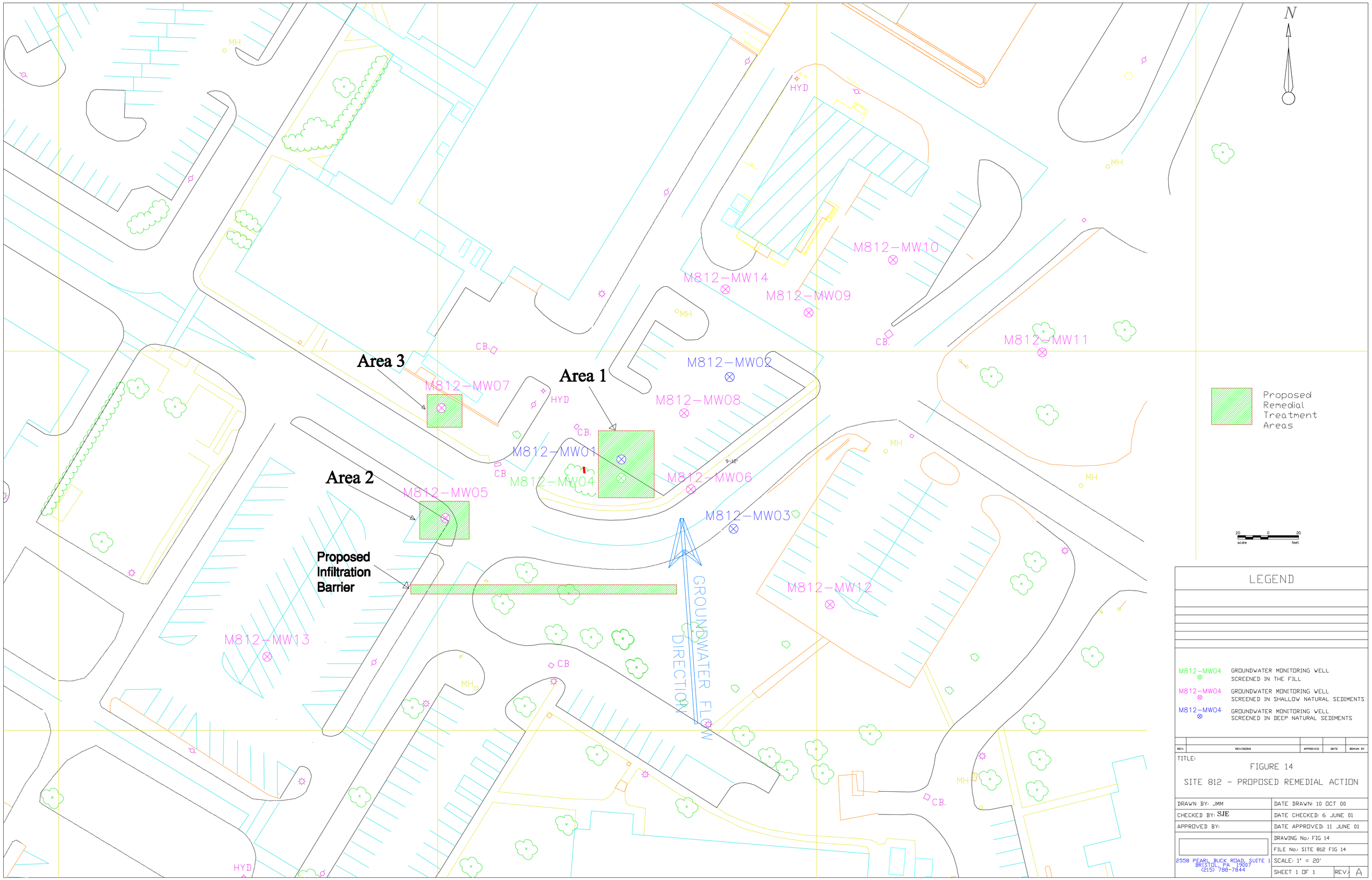
REV.	REVISIONS	APPROVED	DATE	DRAWN BY
1		SJE	02/15/01	TJV

TITLE:

FIGURE 13
GROUNDWATER ELEVATION
CONTOUR MAP (JUNE12, 2000)

DRAWN BY: JMM	DATE DRAWN: 15 JAN 00
CHECKED BY: SJE	DATE CHECKED: 02/15/01
APPROVED BY:	DATE APPROVED:
Versar INC.	FIGURE 13
2558 PEARL BUCK ROAD, SUITE 1	SITE 812 FIG 13
BRISTOL, PA 19007	SCALE: NTS
(215) 788-7844	SHEET 1 OF 1 REV.: B

FortMon2\DOSSite 812


N
Area 1
Area 2
Area 3
Proposed Infiltration Barrier
M812-MW01
M812-MW02
M812-MW03
M812-MW04
M812-MW05
M812-MW06
M812-MW07
M812-MW08
M812-MW09
M812-MW10
M812-MW11
M812-MW12
M812-MW13
M812-MW14
GROUNDWATER FLOW DIRECTION
Proposed Remedial Treatment Areas
scale
feet
LEGEND
M812-MW04 GROUNDWATER MONITORING WELL SCREENED IN THE FILL
M812-MW04 GROUNDWATER MONITORING WELL SCREENED IN SHALLOW NATURAL SEDIMENTS
M812-MW04 GROUNDWATER MONITORING WELL SCREENED IN DEEP NATURAL SEDIMENTS
REV. REVISIONS APPROVED DATE DRAWN BY
TITLE:
FIGURE 14
SITE 812 - PROPOSED REMEDIAL ACTION
DRAWN BY: JMM
DATE DRAWN: 10 OCT 00
CHECKED BY: SJE
DATE CHECKED: 6 JUNE 01
APPROVED BY:
DATE APPROVED: 11 JUNE 01
DRAWING No.: FIG 14
FILE No.: SITE 812 FIG 14
SCALE: 1" = 20'
SHEET 1 OF 1
REV.: A
2558 PEARL BUCK ROAD, SUITE 1
BRISTOL, PA 19007
(215) 788-7844

Tables

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	4810.03	4810.04	4810.05	4810.06	4810.07	4810.09	4998.03	4998.04	4998.05	4998.06	4998.07	4998.08	4998.09	5003.03	5003.04
Sample Location		1	2	3	4	4	5	5	5	5	5	5	5	5	43	44
Sample Depth		8.5 '	9'	9'	4'	9'	7.5'	0-0.5'	1-1.5'	2-2.5'	3-3.5'	4-4.4'	5-5.5'	6-6.5'	6.5'	6.5'
Sample Date		9/23/99	9/23/99	9/23/99	9/23/99	9/23/99	9/23/99	12/9/99	12/9/99	12/9/99	12/9/99	12/9/99	12/9/99	12/9/99	12/10/99	12/10/99
Volatiles																
2-Butanone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND	ND	0.29	0.31	0.33	ND
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND	ND	ND	0.37	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	2.2	0.92	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	0.28	0.55	0.17	0.2	0.19	0.24	0.54	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	0.11	ND	ND	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	1.1	0.42	0.91	0.17	0.14	0.44	1.2	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	0.13	ND	0.15	ND	ND	ND	ND	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	294.86	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	0.004	ND	0.011	ND	0.008	0.004	ND	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	0.01	0.004	0.013	ND	ND	0.007	ND	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	0.054	0.023	0.022	ND	ND	0.020	ND	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	12700	7000	6620	10100	9350	10600	12700	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	3.61	1.49	1.32	1.75	2.65	1.66	1.74	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	13.8	4.89	5.44	8.10	8.68	8.32	6.55	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	44.7	18.4	16.6	23.7	27.7	22.8	23.9	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	1.08	0.694	0.713	1.21	1.25	1.23	1.18	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	0.768	0.483	0.525	1.04	0.867	1.08	0.731	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	1320	838	820	1290	4900	3600	5010	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	59.8	52.4	55.1	88.8	83.0	102	92.0	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	4.07	2.44	1.91	2.89	3.71	3.30	3.53	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	26.0	9.54	5.96	5.89	5.45	6.04	3.08	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	33100	20600	21400	34000	30300	36200	37400	NA	NA
Lead	400	ND	5.47	ND	5.66	ND	**601.75**	32.9	25.0	21.9	21.8	19.9	21.7	7.79	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	3170	2030	2160	3590	3210	4060	4100	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	118	51.6	43.0	62.6	56.1	64.1	79.5	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	0.086	0.023	0.038	0.047	0.038	0.035	0.042	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	10.1	5.96	4.83	7.45	7.29	8.50	7.92	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	6110	4150	4350	7610	6740	8710	7680	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	454	267	161	450	321	617	1070	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	49.3	35.7	38.2	62.2	55.5	70.9	61.0	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	62.3	33.8	38.7	53.9	53.2	73.4	42.4	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5012.03	5012.04	5012.05	5012.06	5012.07	5012.08	5012.09	5012.10	5012.11	5012.12	5012.13	5012.14	5012.15	5012.16	5012.17
Sample Location		45	46	46	99	100	100	47	47	47	47	47	59	71	71	101
Sample Depth		5.5-6'	5-5.5'	5.5-6'	6.5-7'	4-4.5'	6-6.5'	1.5-2'	2.5-3'	3-3.5'	4.5-5'	6-6.5'	6-6.5'	1-1.5'	6-6.5'	6-6.5'
Sample Date		12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99
Volatiles																
2-Butanone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	0.36	0.36	0.58	0.33	ND	0.29	ND	ND	0.26	ND	ND	0.46	ND	ND	ND
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	608.13	ND	ND	ND	298.69	302.73	277.59	223.96	ND	ND	ND	**7099.8**	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5012.18	5012.19	5012.20	5016.03	5016.04	5016.05	5016.06	5016.07	5016.08	5016.09	5016.10	5016.11	5016.12	5016.13	5016.14
Sample Location		102	103	104	48	48	48	48	48	48	88	105	106	106	60	72
Sample Depth		6-6.5'	4.5-5'	4.5-5'	1-1.5'	1.5-2'	2-2.5'	3-3.5'	3.5-4'	4.5-5'	5-5.5'	4.5-5'	3-3.5'	5-5.5'	6.5-7'	5-5.5'
Sample Date		12/13/99	12/13/99	12/13/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99
Volatiles																
2-Butanone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	5.4	4.9	4.2
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	ND	ND	ND	ND	ND	ND	0.34	0.29	0.28	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	ND	429.4	224.88	667.8	393.25	409.5	388.55	201.25	330.6	223.71	**2221.44**	625.14	307.69	275.08
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5016.15	5016.16	5016.17	5016.18	5016.19	5016.20	5016.21	5016.22	5016.23	5016.24	5016.25	5016.26	5019.03	5019.04	5019.05
Sample Location		42	41	49	49	49	49	49	49	49	49	49	84	50	50	50
Sample Depth		5-5.5'	5-5.5'	0.5-1'	1-1.5'	1.5-2'	2-2.5'	2.5-3'	3-3.5'	3.5-3'	4-4.5'	4.5-5'	5-5.5'	2-2.5'	2.5-3'	3-3.5'
Sample Date		12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99	12/16/99
Volatiles																
2-Butanone	1000	4.6	4.3	3.8	5.9	4.6	5.1	5.4	4.5	5.0	4.4	4.4	4.7	4.3	3.9	3.8
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	ND	ND	ND	0.37	0.26	0.26	0.29	0.28	0.32	0.33	ND	0.33	0.32	0.32	0.31
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	3.9	0.95	0.56	0.42	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	208.31	171.63	522.49	472.12	626.25	677.6	926.94	826.43	757.12	834.54	721.44	233.81	223.52	ND	226.85
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5019.06	5019.07	5019.09	5019.10	5019.11	5019.12	5019.13	5019.14	5023.03	5023.04	5023.05	5023.06	5023.07	5023.08	5023.09
Sample Location		50	85	73	61	61	61	61	61	51	51	51	51	51	51	62
Sample Depth		3.5-4'	5-5.5'	5.5-6'	0.5-1'	2-2.5'	2.5-3'	3-3.5'	3.5-4'	0.5-1'	1-1.5'	1.5-2'	2-2.5'	2.5-3'	3-3.5'	5-5.5'
Sample Date		12/16/99	12/16/99	12/16/99	12/16/99	12/16/99	12/16/99	12/16/99	12/16/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99
Volatiles																
2-Butanone	1000	4.9	3.8	5.4	5.1	5.7	5.8	6.7	5.5	6.0	7.3	6.3	6.1	7.6	7.7	6.6
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	0.4	0.33	0.42	0.42	0.57	0.65	0.78	0.66	0.26	0.32	0.27	0.27	0.35	0.35	0.28
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	0.51	0.36	ND	0.32	0.36	0.27	0.42	0.4	ND	ND	ND	0.55	0.45
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	226.25	414.67	ND	883.43	229.77	**1356.52**	744.58	265.32	ND	ND	ND	757.39	312.31	248.11	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
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All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
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ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5023.10	5023.11	5023.12	5023.13	5023.14	5023.15	5023.16	5023.17	5023.18	5023.19	5023.20	5036.03	5036.04	5036.05	5036.06
Sample Location		0	74	63	63	63	63	63	52	52	52	52	53	53	53	53
Sample Depth		5.5-6'	5-5.5'	1.5-2'	2-2.5'	2.5-3'	4.5-5'	5-5.5'	1.5-2'	2-2.5'	2.5-3'	5-5.5'	2.5-3'	4.5-5'	5-5.5'	5.5-6'
Sample Date		12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/20/99	12/20/99	12/20/99	12/20/99
Volatiles																
2-Butanone	1000	5.4	3.7	ND	5.5	6.2	7.0	6.8	6.5	7.4	9.3	6.5	ND	ND	8.0	3.1
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	0.37	0.68	ND	0.49	0.51	0.51	0.54	0.43	ND	0.57	ND	ND	ND	0.63	0.33
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	204.35	192.36	207.22	ND	ND	ND	283.22	465.69	317.99	230.73	ND	ND	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5036.07	5036.08	5036.09	5036.10	5036.11	5036.12	5036.13	5036.14	5036.15	5036.16	5036.17	5036.18	5036.19	5036.20	5036.21
Sample Location		53	53	86	76	64	64	64	64	64	64	64	64	64	75	54
Sample Depth		6-6.5'	6.5-7'	6-6.5'	5-5.5'	0-0.5'	0.5-1'	1-1.5'	1.5-2'	2-2.5'	2.5-3'	3-3.5'	3.5-4'	4-4.5'	5-5.5'	1-1.5'
Sample Date		12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99
Volatiles																
2-Butanone	1000	5.3	6.0	4.4	5.0	5.2	4.3	5.3	4.8	5.7	5.0	4.9	5.8	2.0	6.3	6.9
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	0.33	0.31	0.22	ND	ND	0.67	ND	ND	ND	ND	ND	ND	0.27	0.39	0.41
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	0.32	ND	ND	0.28	0.32	0.61	0.29	0.24	0.28	ND	0.23	0.3	ND	0.34	0.47
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	188.58	ND	ND	ND	ND	ND	ND	ND	ND	**1194.58**	194.21	ND	ND	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5036.22	5036.23	5036.24	5036.25	5036.26	5036.27	5036.28	5036.29	5041.03	5041.04	5041.05	5041.06	5041.07	5041.08	5041.09
Sample Location		54	54	54	54	54	54	54	54	77	77	77	77	55	55	55
Sample Depth		1.5-2'	2-2.5'	2.5-3'	3-3.5'	3.5-4'	4-4.5'	4.5-5'	5-5.5'	1.5-2'	2-2.5'	3-3.5'	5-5.5'	1.5-5'	2.5-3'	4-4.5'
Sample Date		12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/20/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99
Volatiles																
2-Butanone	1000	5.7	5.8	5.8	7.0	6.8	7.2	6.9	6.1	5.1	5.7	4.9	5.1	5.5	6.0	6.0
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	0.37	0.36	0.38	0.43	0.4	0.45	0.42	0.4	0.55	0.5	0.43	0.46	ND	0.51	0.59
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	0.46	0.45	0.45	0.53	0.51	ND	ND	0.47	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	ND	ND	ND	252.06	ND	234.05	260.32	251.83	240.93	226.13	254.47	229.01	247.28	258.48
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5041.10	5041.11	5041.12	5041.13	5041.14	5041.15	5041.16	5041.17	5041.18	5041.19	5041.20	5041.21	5041.22	5041.23	5041.24
Sample Location		55	55	65	65	65	65	65	65	66	66	66	66	66	66	78
Sample Depth		5.5-6'	6-6.5'	0.5-1'	1-1.5'	1.5-2'	2.5-3'	4-4.5'	4.5-5'	1.5-2'	2.5-3'	3-3.5'	3.5-4'	4.5-5'	5-5.5'	1.5-2'
Sample Date		12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99
Volatiles																
2-Butanone	1000	6.5	6.4	5.4	5.5	7.6	6.8	6.7	6.9	4.9	5.7	6.2	7.9	7.2	6.1	6.7
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	0.57	ND	0.45	0.46	ND	ND	ND	ND	0.4	0.54	ND	ND	0.57	0.5	0.54
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	258.75	252.18	182.35	177.95	ND	280.2	443.85	199.83	184.78	219.83	203.52	237.41	187.04	427.9	180.66
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5041.25	5041.26	5041.27	5041.28	5041.29	5041.30	5041.31	5041.32	5041.33	5059.03	5059.04	5059.05	5059.06	5059.07	5059.08
Sample Location		78	78	78	67	67	67	79	79	79	108	108	108	56	56	107
Sample Depth		2.5-3'	3.5-4'	5-5.5'	2-2.5'	3-3.5'	4-4.5'	3-3.5'	4.5-5'	5.5-6'	3-3.5'	5-5.5'	6-6.5'	2.5-3'	6-6.5'	5-5.5'
Sample Date		12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	1/3/00	1/3/00	1/3/00	1/3/00	1/3/00	1/3/00
Volatiles																
2-Butanone	1000	6.5	6.5	6.4	7.0	6.7	6.1	6.2	6.6	5.8	7.0	6.0	5.4	4.8	6.2	5.8
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	ND	0.51	0.48	0.55	0.49	0.39	0.39	ND	0.39	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	0.7	0.49	0.49	0.5	0.48	0.6	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	226.66	272.75	245.4	198.28	218.18	814.12	335.13	283.63	277.1	205.93	301.75	196.16	184.58	218.26	198.1
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
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NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5059.09	5059.10	5059.11	5059.12	5059.13	5059.14	5059.15	5065.03	5065.04	5065.05	5065.06	5065.07	5065.08	5065.09	5065.10
Sample Location		107	109	109	110	110	68	68	69	69	69	57	57	111	112	113
Sample Depth		6-6.5'	3-3.5'	5-5.5'	2.5-3'	5-5.5'	3-3.5'	5-5.5'	1.5-2'	4.5-5'	6.5-7'	1.5-2'	6-6.5'	4.5-5'	5-5.5'	3-3.5'
Sample Date		1/3/00	1/3/00	1/3/00	1/3/00	1/3/00	1/3/00	1/3/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00
Volatiles																
2-Butanone	1000	9.2	5.9	5.1	7.0	5.5	5.0	6.9	ND	1.5	1.4	1.1	1.2	1.2	1.2	1.2
Acetone	1000	ND	ND	ND	ND	ND	ND	ND	1.4	ND	1.9	ND	1.5	ND	ND	ND
Chloroform	19	ND	ND	ND	ND	ND	ND	ND	0.66	0.78	0.79	0.37	0.86	0.72	0.66	0.64
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	456.11	183.69	200.16	ND	ND	190.08	239.54	ND	188.18	342.8	293.58	ND	558.75	262.93	199.9
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5065.11	5065.12	5065.13	5065.14	5065.15	5065.16	5065.17	5065.18	5065.19	5065.20	5065.21	5065.22	5065.23	5065.24	5071.03
Sample Location		113	114	114	58	58	70	70	81	115	116	116	80	80	80	87
Sample Depth		5-5.5'	3-3.5'	5.5-6'	2-2.5'	6-6.5'	1-1.5'	6-6.5'	6-6.5'	4.5-5'	2.5-3'	4.5-5'	2-2.5'	4.5-5'	5.5-6'	4-4.5'
Sample Date		1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/5/00
Volatiles																
2-Butanone	1000	1.2	1.3	1.7	1.4	1.5	1.9	1.5	1.4	1.5	1.4	ND	1.2	1.2	ND	ND
Acetone	1000	ND	2.4	3.1	2.7	2.7	3.7	2.8	2.2	2.7	2.5	2.5	1.8	ND	ND	1.7
Chloroform	19	0.65	0.46	0.67	0.53	0.65	0.63	ND	0.55	ND	0.55	0.56	0.45	ND	0.51	0.54
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	183.96	ND	251.46	549.82	245.47	437.38	247.5	279.79	282.13	297.49	278.95	249.1	501.35	321.63	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5071.04	5071.05	5071.06	5071.07	5071.08	5071.09	5071.10	5071.11	5071.12	5071.13	5071.14	5071.15	5071.16	5071.17	5076.03
Sample Location		117	117	88	119	119	118	118	120	121	122	123	97	98	96	94
Sample Depth		2-2.5'	4-4.5'	3.5-4'	3.5-4'	5-5.5'	3-3.5'	5-5.5'	5-5.5'	4-4.5'	4.5-5'	4.5-5'	5.5-6'	5.5-6'	5.5-6'	6-6.5'
Sample Date		1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/6/00
Volatiles																
2-Butanone	1000	1.3	1.2	1.4	1.3	1.4	1.2	ND	ND	1.3	1.1	1.5	1.2	1.4	ND	0.82
Acetone	1000	2.1	1.8	2.1	ND	2.3	2.1	ND	ND	ND	2.0	2.8	2.2	2.5	2.6	1.4
Chloroform	19	0.66	0.31	0.69	0.61	0.65	0.64	0.68	0.63	0.67	0.48	0.52	0.41	0.48	0.47	0.5
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	0.65	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	199.19	192.36	345.77	255.18	213.8	216.75	486.96	222.27	ND	ND	ND	ND	ND	ND	162.24
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5076.04	5076.05	5076.06	5076.07	5076.08	5076.09	5076.10	5076.11	5076.12	5076.13	5076.14	5076.15	5078.03	5078.04	5078.05
Sample Location		95	125	126	92	93	93	91	128	127	124	129	90	82	89	16
Sample Depth		6-6.5'	4.5-5'	4.5-5'	6-6.5'	1.5-2'	6-6.5'	6-6.5'	4.5-5'	2-2.5'	5-5.5'	5-5.5'	5-5.5'	6-6.5'	5-5.5'	5.5-6'
Sample Date		1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/7/00	1/7/00	1/7/00
Volatiles																
2-Butanone	1000	0.79	0.97	ND	1.3	0.66	0.74	0.77	0.85	0.97	0.91	1.3	0.85	ND	ND	ND
Acetone	1000	1.4	1.7	1.6	2.4	1.2	1.2	1.3	1.4	1.7	1.6	2.3	1.6	ND	ND	ND
Chloroform	19	0.51	0.6	0.57	0.77	0.46	0.45	0.46	0.54	0.58	0.51	0.74	0.47	0.51	0.49	0.43
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	256.31	185.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
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All concentrations are given in milligrams per kilogram (mg/Kg) or parts per million (ppm).
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ND: Analyte not detected in sample.
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Table 1
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September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5078.06	5078.07	5078.08	5078.09	5078.10	5078.14	5086.02	5086.03	5086.04	5090.03	5090.04	5090.05	5090.06	5090.07	5090.08
Sample Location		8	7	15	24	32	40	23	31	39	29	21	5A	38	6	14
Sample Depth		5.5-6'	5.5-6'	5.5-6'	5.5-6'	5.5-6'	5.5-6'	10.5-11'	10.5-11'	10.5-11'	11-11.5'	11-11.5'	11-11.5'	10-10.5'	10-10.5'	10-10.5'
Sample Date		1/7/00	1/7/00	1/7/00	1/7/00	1/7/00	1/7/00	1/10/00	1/10/00	1/10/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00
Volatiles																
2-Butanone	1000	ND	ND	ND	ND	ND	1.5	1.0	0.82	0.9	0.75	0.7	0.84	ND	0.86	ND
Acetone	1000	ND	ND	1.9	ND	ND	2.9	1.8	1.5	1.5	1.4	1.3	1.5	1.5	1.6	1.8
Chloroform	19	0.67	0.52	0.49	0.42	0.48	0.57	0.52	0.44	0.44	0.52	0.5	0.54	0.53	0.61	0.57
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3	3.4	2.4	ND	9.2
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5090.09	5090.10	5090.11	5090.12	5097.03	5097.04	5097.05	5097.06	5097.07	5097.08	5097.09	5097.10	5097.11	5097.12	5101.03
Sample Location		30	22	13	37	4A	36	12	28	20	27	35	11	19	3A	2A
Sample Depth		10-10.5'	10-10.5'	10-10.5'	10-10.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'
Sample Date		1/11/00	1/11/00	1/11/00	1/11/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/13/00
Volatiles																
2-Butanone	1000	0.89	0.9	0.78	0.87	0.77	0.78	0.61	0.91	0.75	0.8	0.9	0.83	1.4	1.7	1.7
Acetone	1000	2.0	1.9	1.6	1.9	1.4	1.5	1.2	1.8	1.4	1.6	1.6	1.5	2.5	2.5	1.8
Chloroform	19	0.5	0.47	0.42	0.48	0.73	0.67	0.55	0.8	0.74	0.8	0.84	0.78	0.52	0.55	0.57
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	3.5	2.4	1.8	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.76
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticide/PCB																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5101.04	5101.05	5101.06	5101.07	5101.08	5101.09	5101.10	5101.11	5101.12	5105.03	5105.04	5105.05	5105.06	5105.07	5105.08
Sample Location		34	10	26	18	9	25	1A	33	17	130	135	135	132	132	131
Sample Depth		6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	6-6.5'	4.5-5'	3.5-4'	4.5-5'	2.5-3'	4.5-5'	2.5-3'
Sample Date		1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00
Volatiles																
2-Butanone	1000	1.7	1.6	1.6	1.5	1.6	1.6	1.3	1.4	1.4	1.5	2.5	2.6	1.6	1.5	ND
Acetone	1000	2.1	2.0	1.9	2.2	2.3	1.8	1.9	ND	ND	3.2	5.6	5.6	4.1	3.4	3.4
Chloroform	19	0.54	0.53	0.51	0.49	0.56	0.54	0.51	0.51	0.55	0.54	0.47	0.48	0.52	0.53	0.39
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	0.71	0.66	0.64	0.66	0.74	0.68	0.72	0.64	0.72	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	328.24	440.43
Pesticide/PCBs																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5105.09	5105.10	5105.11	5105.12	5105.13	5105.14	5105.15	5105.16	5105.17	5105.18	5105.19	5108.03	5108.04	5108.05	5108.06
Sample Location		131	136	136	133	133	139	139	138	138	134	137	140	144	149	141
Sample Depth		4.5-5'	3.5-4'	4.5-5'	2.5-3'	4.5-5'	2.5-3'	4.5-5'	2.5-3'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'
Sample Date		1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/19/00	1/19/00	1/19/00	1/19/00
Volatiles																
2-Butanone	1000	ND	ND	1.8	1.4	1.8	1.8	2.0	0.92	1.3	2.2	2.1	1.6	1.6	1.7	1.8
Acetone	1000	4.0	4.1	4.2	3.2	2.6	2.5	2.3	ND	ND	2.8	ND	1.6	ND	2.5	2.2
Chloroform	19	0.43	0.46	0.41	0.53	0.63	0.6	0.55	0.4	0.44	0.55	0.55	0.44	0.46	0.45	0.5
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND	0.41	0.47
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	348.3	240.03	**1042.12**	410.31	248.7	553.51	592.62	745.47	**1905.14**	348.49	313.47	ND	**2377.56**	233.5	214.68
Pesticide/PCBs																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
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Table 1
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September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP RDCSCC * (mg/Kg)	5108.07	5108.08	5108.09	5108.10	5108.11	5108.12	5108.13	5108.14	5108.15	5108.16	5108.17	5108.18	5109.03	5109.04	5109.05
Sample Location		148	145	143	146	142	147	150	154	161	153	151	152	155	156	157
Sample Depth		4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4.5-5'	4-4.5'	4-4.5'	4-4.5'
Sample Date		1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/20/00	1/20/00	1/20/00
Volatiles																
2-Butanone	1000	1.9	1.3	1.6	1.3	1.3	1.2	1.8	ND	1.2	1.5	1.1	1.3	1.3	ND	1.3
Acetone	1000	ND	1.8	2.5	2.2	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	19	0.44	0.46	0.53	0.47	0.47	0.43	0.63	0.62	0.51	0.62	0.53	0.61	0.51	0.51	0.49
cis-1,2-Dichloroethene	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	49	0.38	0.41	0.5	ND	0.4	0.4	0.56	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	196.95	258.61	ND	180.06	ND	189.99	347.87	ND	ND	ND	ND	ND	ND	181.16	ND
Pesticide/PCBs																
4,4'-DDD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Aluminum	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 1
Results of Geoprobe Soil Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab Sample ID **Sample Location** **Sample Depth** **Sample Date**	NJDEP RDCSCC * (mg/Kg)	5109.06 159 4-4.5' 1/20/00	5109.07 160 4-4.5' 1/20/00	5166.03 161A 7.5' 2/14/00	5166.05 162 7.5' 2/14/00
Volatiles					
2-Butanone	1000	ND	1.1	ND	ND
Acetone	1000	ND	1.3	ND	ND
Chloroform	19	0.49	0.53	ND	ND
cis-1,2-Dichloroethene	79	ND	ND	ND	ND
Methylene Chloride	49	ND	ND	ND	ND
Tetrachloroethene (PCE)	4	ND	ND	ND	ND
Xylenes (Total)	410	ND	ND	ND	ND
Semi-Volatiles					
bis(2-Ethylhexyl)phthalate	49	NA	NA	NA	NA
Chrysene	9	NA	NA	NA	NA
Di-n-butylpthalate	5700	NA	NA	NA	NA
Pyrene	1700	NA	NA	NA	NA
Total Petroleum Hydrocarbons (TPHC)	1000	ND	ND	ND	ND
Pesticide/PCBs					
4,4'-DDD	3	NA	NA	NA	NA
4,4'-DDE	2	NA	NA	NA	NA
4,4'-DDT	2	NA	NA	NA	NA
Metals					
Aluminum	NLE	NA	NA	NA	NA
Antimony	14	NA	NA	NA	NA
Arsenic	20	NA	NA	NA	NA
Barium	700	NA	NA	NA	NA
Beryllium	2	NA	NA	NA	NA
Cadmium	39	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA
Chromium	NLE	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA
Copper	600	NA	NA	NA	NA
Iron	NLE	NA	NA	NA	NA
Lead	400	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA
Manganese	NLE	NA	NA	NA	NA
Mercury	14	NA	NA	NA	NA
Nickel	250	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA
Sodium	NLE	NA	NA	NA	NA
Vanadium	370	NA	NA	NA	NA
Zinc	1500	NA	NA	NA	NA

NOTES:
* New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Cleanup Criteria (RDCSCC).
Only analytes with detections have been shown.
All concentrations are reported in milligrams per kilogram (mg/Kg) or parts per million (ppm).
Exceedances of the NJDEP RDCSCC are highlighted and printed in **bold-faced** type.
NA: Not analyzed.
ND: Analyte not detected in sample.
NLE: No RDCSCC exists for this analyte.

Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	4810.08	4810.10	4998.10	5003.05	5003.06	5012.21	5012.22	5012.23	5012.24	5012.25	5012.26	5012.27	5012.28	5012.29
Sample Location		4	5	5	43	44	45	46	47	59	71	99	100	101	102
Sample Depth		9-12'	8'	7-12'	7-12'	7-12'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'
Sample Date		9/23/99	9/23/99	12/9/99	12/10/99	12/10/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99	12/13/99
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	**7.78**	**6.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	9.04	ND	ND	ND	ND	ND	ND	ND	10.35	14.46	4.28	7.79
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.42	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	15.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	3.26	18.82	ND	ND	ND	ND	5.35	ND	ND	ND	9.9	ND	ND
Benzene	1	ND	**12.07**	**10.13**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	2.95	6.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	**15879.47D**	**7789.06D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	1.29	73.64	77.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	74.67	66.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	**2.74**	**1.57**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	34.42	34.38	ND	ND	ND	ND	1.47	ND	ND	ND	1.31	ND	ND
trans-1,2-Dichloroethene	100	ND	**1692.34D**	**854.77D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	**4.98**	**2.57**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	**98.13**	**90.27D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	4.23	**92.03**	**238.23D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	28.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	13.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	**10400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	10.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	**12.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	**5.45**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	546000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	**100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	4.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	86.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	**21000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	**20.4**	**160.2**	**289**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	60800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	**213**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	0.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	17.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	75900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	22.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	5.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	**264000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	45.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	428	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
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Only detected analytes are shown, concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
Exceedances of the NJDEP GWQC are highlighted and printed in **bold-faced** type.
NA: Not analyzed
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.
D – Analytical value from sample dilution.

Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5012.30	5012.31	5016.27	5016.28	5016.29	5016.30	5016.31	5016.32	5016.33	5016.34	5019.15	5019.16	5019.17	5019.18
Sample Location		103	104	105	106	42	41	49	84	72	60	73	85	83	48
Sample Depth		8-13'	8-13'	8-13'	8-13'	8-13'	8-13'	8-10'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'
Sample Date		12/13/99	12/13/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/15/99	12/16/99	12/16/99	12/16/99	12/16/99
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	4.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	**4.04**	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
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ND: Analyte not detected in sample.
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Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5019.19	5019.20	5023.21	5023.22	5023.23	5023.24	5023.25	5023.26	5036.30	5036.31	5036.32	5041.34	5041.35	5041.36
Sample Location		61	50	51	62	74	0	52	63	75	76	64	77	65	78
Sample Depth		8-13'	8-13'	7.5-12.5'	7.5-12.5'	7.5-12.5'	7.5-12.5'	7.5-12.5'	7.5-12.5'	8-15'	8-15'	8-15'	8-13'	8-13'	8-13'
Sample Date		12/16/99	12/16/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/17/99	12/20/99	12/20/99	12/20/99	12/21/99	12/21/99	12/21/99
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	9.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	**2.00**	ND	ND	ND	**1.06**	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	1.65	21.07	ND	1.72	1.49	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	6.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	7.64	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
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NA: Not analyzed
ND: Analyte not detected in sample.
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Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5041.37	5041.38	5041.39	5041.40	5041.41	5041.42	5059.16	5059.17	5059.18	5059.19	5059.20	5059.21	5065.25	5065.26
Sample Location		79	86	53	54	55	67	56	68	107	108	109	110	57	58
Sample Depth		8-13'	8-13'	8-13'	8-13'	8-13'	8-13'	6-11'	6-11'	6-11'	6-11'	6-11'	6-11'	6.5-12.5'	6.5-12.5'
Sample Date		12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	12/21/99	1/3/00	1/3/00	1/3/00	1/3/00	1/3/00	1/3/00	1/4/00	1/4/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	14.88	22.59	10.99	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
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Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5065.27	5065.28	5065.29	5065.30	5065.31	5065.32	5065.33	5065.34	5065.35	5065.36	5071.18	5071.19	5071.20	5071.21
Sample Location		69	70	80	81	111	112	113	114	115	116	87	88	96	97
Sample Depth		6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-12.5'	6.5-11.5'	6.5-11.5'	6.5-11.5'	6.5-11.5'
Sample Date		1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/4/00	1/5/00	1/5/00	1/5/00	1/5/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	22.13	8.61	ND	ND	ND	ND	ND	ND	9.2	ND	14.37	21.74	22.09
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
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September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5071.22	5071.23	5071.24	5071.25	5071.26	5071.27	5071.28	5071.29	5076.16	5076.17	5076.18	5076.19	5076.20	5076.21
Sample Location		98	117	118	119	120	121	122	123	124	125	126	127	128	129
Sample Depth		6.5-11.5'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'	7-12'
Sample Date		1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/5/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	ND	ND	ND	ND	ND	2.94	3.25	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5076.22	5076.23	5076.24	5076.25	5076.26	5076.27	5078.11	5078.12	5078.15	5078.16	5078.17	5078.18	5078.19	5078.20
Sample Location		90	91	92	93	94	95	82	89	7	8	15	16	24	32
Sample Depth		6.5-11.5'	6.5-11.5'	6.5-11.5'	6.5-11.5'	6.5-11.5'	6.5-11.5'	7-12'	7-12'	8-13'	8-13'	8-13'	8-13'	8-13'	8-13'
Sample Date		1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/6/00	1/7/00	1/7/00	1/7/00	1/7/00	1/7/00	1/7/00	1/7/00	1/7/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	7.41	**84.32**	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.13	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.85	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	3.44	22.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	5.11	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ND: Analyte not detected in sample.
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D – Analytical value from sample dilution.

Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5078.22	5090.13	5090.14	5090.15	5090.16	5090.17	5090.18	5090.19	5090.20	5090.21	5090.22	5090.23	5090.24	5090.25
Sample Location		40	29	5A	23	21	31	39	37	13	14	22	6	30	38
Sample Depth		8-13'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'
Sample Date		1/7/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00	1/11/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	ND	2.21	2.49	ND	3.52	ND	ND	ND	2	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
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September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5097.13	5097.14	5097.15	5097.16	5097.17	5097.18	5097.19	5097.20	5097.21	5097.22	5101.13	5101.14	5101.15	5101.16
Sample Location		3A	4A	11	12	19	20	27	28	35	36	1A	2A	9	17
Sample Depth		11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	11-16'
Sample Date		1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/12/00	1/13/00	1/13/00	1/13/00	1/13/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	**20.95**	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5101.17	5101.18	5101.19	5,101.20	5101.21	5101.22	5105.20	5105.21	5105.22	5105.23	5105.24	5105.25	5105.26	5105.27
Sample Location		18	25	26	33	34	10	130	131	132	133	134	135	136	137
Sample Depth		11-16'	11-16'	11-16'	11-16'	11-16'	11-16'	5.5-10.5'	5.5-10.5'	5.5-10.5'	5.5-10.5'	5.5-10.5'	5.5-10.5'	5.5-10.5'	5.5-10.5'
Sample Date		1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/13/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00	1/14/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	1.62	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	ND	ND	ND	5.41	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.59	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
* New Jersey Department of Environmental Protection Groundwater Quality Criteria (NJDEP GWQC).
Only detected analytes are shown, concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
Exceedances of the NJDEP GWQC are highlighted and printed in **bold-faced** type.
NA: Not analyzed
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.
D – Analytical value from sample dilution.

Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5105.28	5105.29	5108.19	5108.20	5108.21	5108.22	5108.23	5108.24	5108.25	5108.26	5108.27	5108.28	5108.29	5108.30
Sample Location		138	139	140	141	142	143	144	145	146	147	148	149	150	151
Sample Depth		5.5-10.5'	5.5-10.5'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'
Sample Date		1/14/00	1/14/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00	1/19/00
Volatiles															
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	ND	2.7	3.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.6**	**7.58**	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35	2.45	ND	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	5.78	1.75	ND	ND	ND	1.56	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	ND	ND	ND	7.86	ND	ND	ND	ND	ND	4.81	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles															
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals															
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
* New Jersey Department of Environmental Protection Groundwater Quality Criteria (NJDEP GWQC).
Only detected analytes are shown, concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
Exceedances of the NJDEP GWQC are highlighted and printed in **bold-faced** type.
NA: Not analyzed
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.
D – Analytical value from sample dilution.

Table 2
Results of Geoprobe Groundwater Investigation - Site 812
September 1999 - February 2000
Fort Monmouth, New Jersey

Lab ID	Regulatory Level (ug/L)*	5108.31	5108.32	5108.33	5108.34	5109.08	5109.09	5109.10	5109.11	5109.12	5125.01	5166.04	5166.06
Sample Location		152	153	154	161	155	156	157	159	160	66	161	162
Sample Depth		5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	5-10'	6-11'	8-12'	8-12'
Sample Date		1/19/00	1/19/00	1/19/00	1/19/00	1/20/00	1/20/00	1/20/00	1/20/00	1/20/00	1/28/00	2/14/00	2/14/00
Volatiles													
1,1,1-Trichloroethane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	ND	ND	8.78	6.43	8.28	ND	ND	4.81	8.04	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	4	ND	ND	3.49	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.05	ND
cis-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	ND	ND	ND	ND	4.55	ND	ND	ND	4.42	ND	ND	ND
tert-Butyl alcohol	NLE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NLE	ND	ND	2.25	1.36	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles													
4-Methyl phenol	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES
* New Jersey Department of Environmental Protection Groundwater Quality Criteria (NJDEP GWQC).
Only detected analytes are shown, concentrations are reported in micrograms per liter (ug/L) or parts per billion (ppb).
Exceedances of the NJDEP GWQC are highlighted and printed in **bold-faced** type.
NA: Not analyzed
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.
D – Analytical value from sample dilution.

TABLE 3 (continued)
Groundwater Sampling Results
Monitoring Well MW-04
Site 812
Fort Monmouth, New Jersey
May - June 2000

Lab Sample ID Sample Date	5437.09 5/26/00	5465.04 6/9/00	**NJDEP GWQC (ug/L)***
Volatiles			
Vinyl Chloride	**126.45**	**147.57**	5
1,1-Dichloroethene	**6.51**	**8.11**	2
Acetone	172.62	221.22	700
Carbon Disulfide	20.25	8.43	NLE
trans-1,2-Dichloroethene	**615.87**	**450.06**	100
2-Butanone	58.76	75.82	300
cis-1,2,-Dichloroethene	**10397.69**	**10436.18**	10
Benzene	**8.84**	**9.99**	1
Trichloroethene	**5.25**	**4.7**	1
4-Methyl-2-Pentanone	157.45	147.75	400
Toluene	84.45	93.81	1000
Tetrachloroethene	**2.35**	**2.64**	1
2-Hexanone	5.93	7.44	NLE
Ethylbenzene	134.87	134.85	700
m+p-Xylenes	357.84	426.94	NLE
o-Xylene	198.71	230.24	NLE
Semi-Volatiles			
Phenol	ND	38.32	4000
2-Methylphenol	ND	13.13	NLE
4-Methylphenol	ND	43.05	NLE
Naphthalene	ND	38.76	NLE
2-Methylnaphthalene	ND	19.13	NLE
Pesticides/PCB			
Not Detected			
Metals			
Aluminum	**408000**	**56400**	200
Arsenic	**546**	**88.4**	20
Barium	**4250**	601	2000
Beryllium	**46.7**	6.02	20
Cadmium	**145**	**18.6**	4
Calcium	1300000	739000	NLE
Chromium	**3250**	**454**	100
Cobalt	365	51.2	NLE
Copper	**1670**	401	1000
Iron	**1360000**	**150000**	300
Lead	**17600**	**2400**	10
Magnesium	120000	29500	NLE
Manganese	**4510**	**590**	50
Mercury	**3.8**	0.6	2
Nickel	**495**	86.5	100
Potassium	163000	54800	NLE
Selenium	**75.1**	27.1	50
Sodium	**225000**	**185000**	50000
Vanadium	1590	233	NLE
Zinc	**27000**	3840	5000

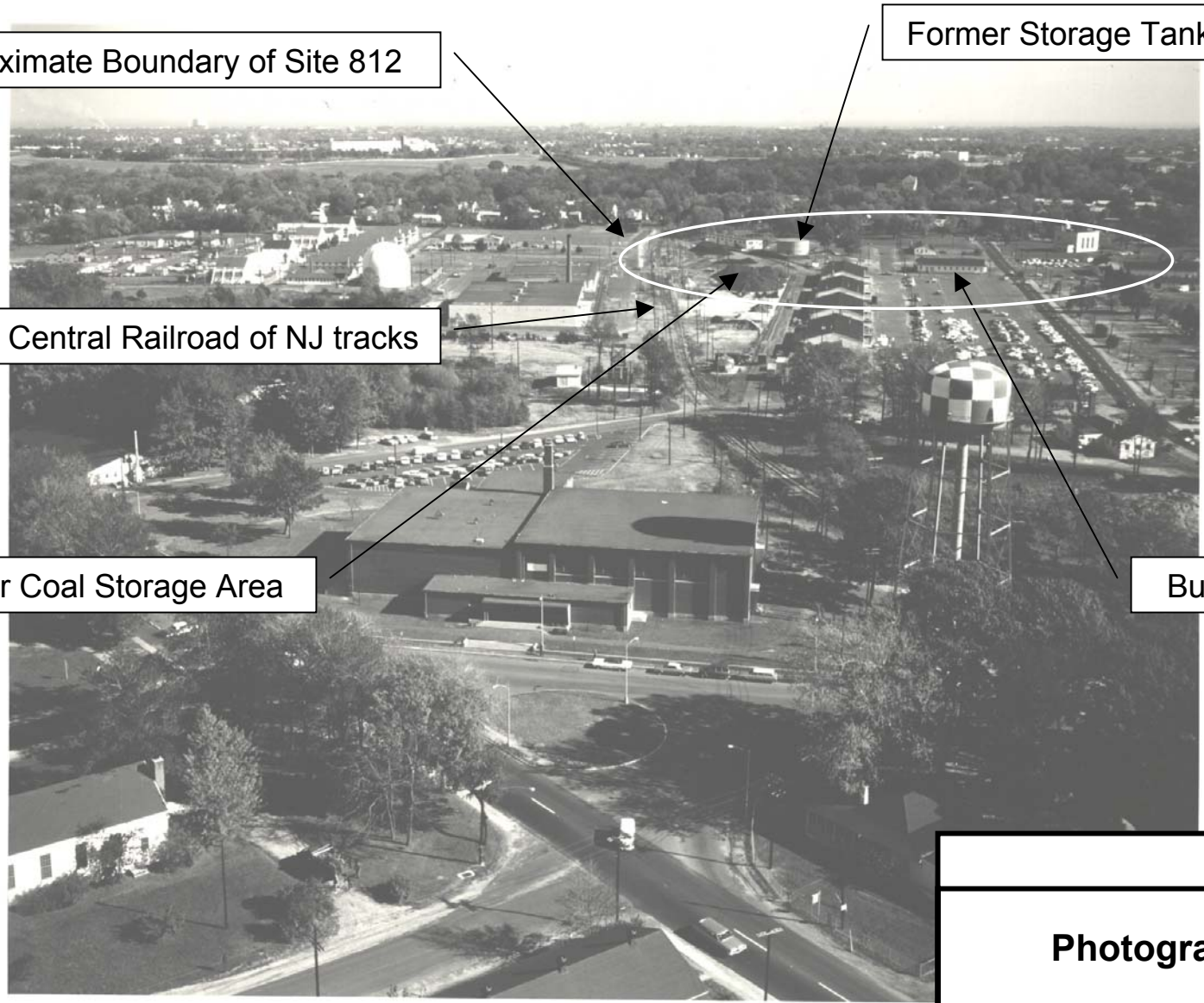
NOTES:
Only detected analytes are shown.
All concentrations reported in micrograms per liter (ug/L) or parts per billion (ppb).
*NJDEP GWQC: New Jersey Department of Environmental Protection Groundwater Quality Criteria.
Exceedances of the NJDEP GWQC are highlighted and printed in **bold-faced** type.
ND: Analyte not detected in sample.
NLE: No GWQC exists for this analyte.

Table 4
Groundwater Monitoring Well Specifications
Site 812
Fort Monmouth, New Jersey

Groundwater Monitoring Well (MW) Specifications						Groundwater Elevations Sampling Conducted May 25-30 2000		Groundwater Elevations Sampling Conducted June 9-12 2000	
MW ID	Date of Installation	Well Diameter (inches)	Top of Casing (ft)	Total Depth (ft)	Screened Interval (ft)	Depth To Water (ft)	Groundwater Elevation (ft)	Depth To Water (ft)	Groundwater Elevation (ft)
MW-1	4-May-00	4	20.14	52	31.8 - 52.0	8.7	11.44	8.9	11.24
MW-2	26-Apr-00	4	17.47	50	30 - 50	6.6	10.87	6.7	10.77
MW-3	5-May-00	4	18.16	50.5	30.3 - 50.5	6.5	11.66	6.6	11.56
MW-4	26-Apr-00	4	20.48	7	2.0 - 7.0	4.43	16.05	4.72	15.76
MW-5	4-May-00	4	15.1	18	7.9 - 18.0	9.8	5.3	10.91	4.19
MW-6	26-Apr-00	4	19.27	16	5.9 - 16.0	7.64	11.63	7.73	11.52
MW-7	3-May-00	4	14.06	18	7.9 - 18.0	10.98	3.08	11.03	3.03
MW-8	1-May-00	4	18.22	16	5.9 - 16.0	7.1	11.12	7.17	11.05
MW-9	2-May-00	4	16.07	16	5.9 - 16.0	6.21	9.86	6.25	9.82
MW-10	3-May-00	4	15.51	16	5.9 - 16.0	7.15	8.36	7.21	8.3
MW-11	2-May-00	4	15.11	15	4.9 - 15.0	6.12	8.99	5.39	9.72
MW-12	3-May-00	4	17.2	16	5.9 - 16.0	4.11	13.09	5.27	11.93
MW-13	4-May-00	4	25.24	19	8.9 - 19.0	10.15	15.09	10.31	14.93
MW-14	3-May-00	4	17.52	15	4.9 - 15.0	8.62	8.9	8.65	8.87

APPENDIX A

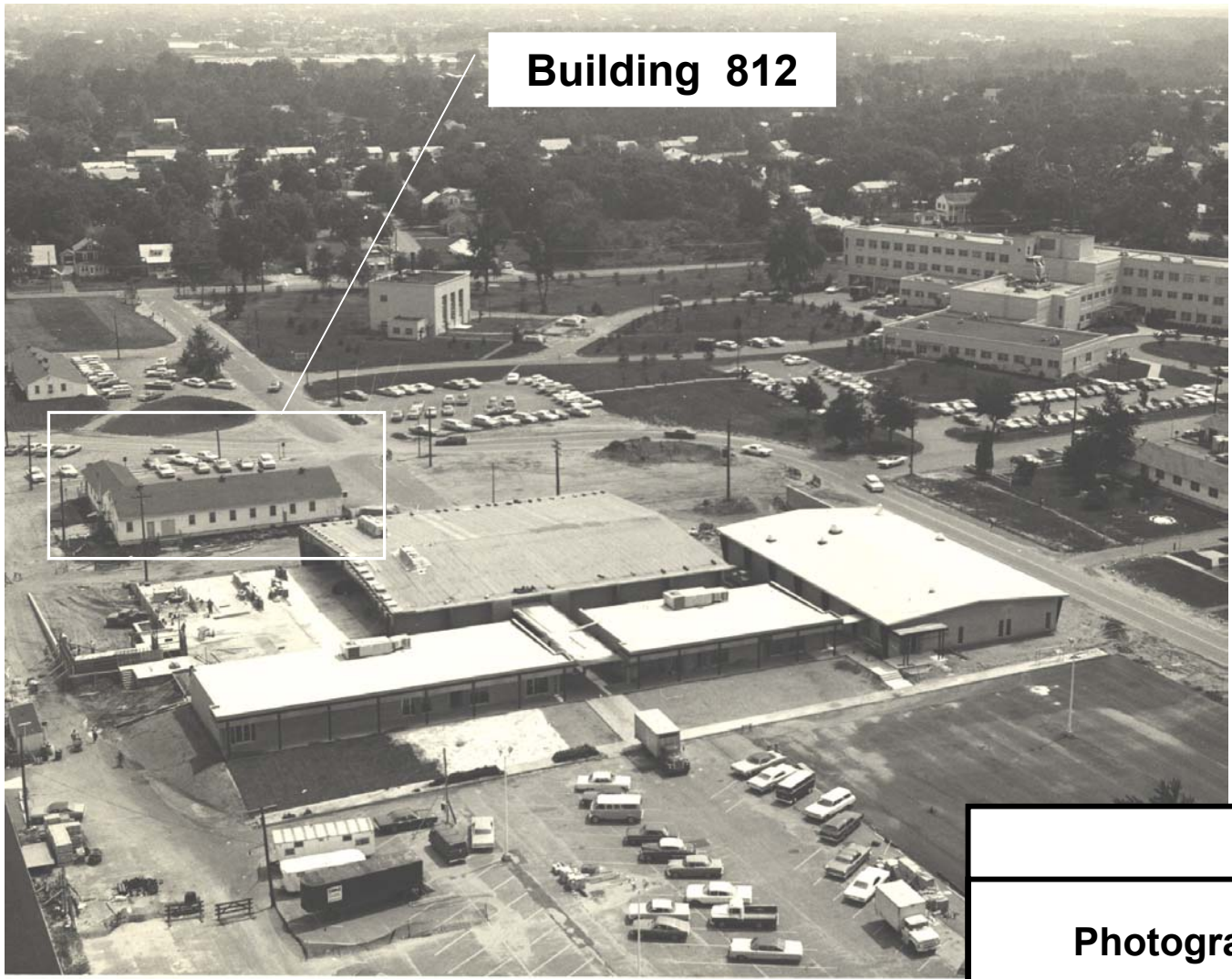
SITE 812
PHOTOGRAPHS



View of Site 812 and surrounding area, looking to the east
(circa, early to mid 1960's)

Photograph #1

Versar INC.
2558 Pearl Buck Road
Suite 1
Bristol, PA 19007



Building 812 and surrounding area, looking to the east
(circa, early to mid 1960's)

Photograph #2

Versar INC.
2558 Pearl Buck Road
Suite 1
Bristol, PA 19007

APPENDIX B

FORT MONMOUTH STANDARD OPERATING PROCEDURES

SOP No.: SAM-0200 – Sample Containers, Preservation and Holding Times
Revision No.: 1, Dated: 28 July 1999

SOP No.: SAM-0201 – Sample Receiving, Log-In and Disposal
Revision No.: 2, Dated: 28 July 1999

SOP No.: SAM-0205 – Monitor Well Sampling for IRP Sites at Fort Monmouth
Revision No.: 1, Dated: 9 August 1999

SOP No.: SAM-0207 – Field Sampling/Methanol Extraction
Revision No.: New, Dated: 3 July 1999

SOP No.: SAM-0219 – GeoProbe® Sampling Methods for Site 812,
Revision No.: New, Dated: 12 November 1999

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

1 PURPOSE: To document the sample containers, preservation and holding times requirements.

2 RESPONSIBILITY: Quality Assurance shall be responsible for maintaining and updating the sample containers, preservation and holding times SOP. These updates will occur annually at a minimum or as the methods' requirements change.

3 REFERENCES: Field Sampling Procedures Manual, May 1992. New Jersey Department of Environmental Protection.

4 SUMMARY: The following table is a summary of the sample containers, method required preservation and holding times of various analytical parameters. The summary will provide information to field sampling personnel and laboratory analysts. Additionally, this summary will aid individuals involved with data validation, quality assurance and sample receiving.

Table 1

Parameter	Container	Preservation	Holding Time*	Method
VOA AQ	2-40 ml septum, G Teflon lined cap	HCL, to pH <2 Cool, 4°C	14 days	624 (4), 8260 (2)
VOA Non-AQ	2 oz wide, G Teflon lined cap	Methanol, Cool, 4°C	14 days	8260 (2)
BNA AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	625 (4), 8270 (2)
BNA Non-AQ	4 oz wide, G Teflon lined cap	Cool, 4°C	Extraction. 14 days Analysis 40 days	8270 (2)

Prepared By _____ Date 7/28/99

Approved By _____ Date 7/29/99
QA Manager / Laboratory Director

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

Parameter	Container	Preservation	Holding Time*	Method
Pest/PCB AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	608 (4), 8080 8081/8082 (2)
Pest/PCB Non-AQ	4 oz wide, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	8081/8082 (2)
Herbicides AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	8151 (2)
TPHC AQ	1 L amber, G Teflon lined cap	Cool, 4°C	Extraction. 7 days Analysis 40 days	OQA-QAM-25
TPHC Non-AQ	4 oz wide, G Teflon lined cap	Cool, 4°C	Extraction. 14 days Analysis 40 days	OQA-QAM-25
Metals AQ Minus Hg, Cr^{+6}	500ml Plastic	HNO_3 to pH <2	6 Months	600 Series(4), SW846 (2)
Metals Non-AQ Minus Hg, Cr^{+6}	4 oz wide, G Teflon lined cap	None	6 Months	SW846 (2)
Hg AQ	500ml Plastic	HNO_3 to pH <2	28 Days	600 Series(4), SW846 (2)
Hg Non-AQ	4 oz wide, G Teflon lined cap	None	28 Days	SW846 (2)
TSS AQ	100 ml Plastic	Cool, 4°C	7 Days	160.2 (1)
TS AQ	100 ml Plastic	Cool, 4°C	7 Days	160.3 (1)
DO AQ	300 ml BOD bottle	Fix on Site Store in Dark	8 Hours	405.1 (1)
COD AQ	100 ml Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	410.4 (1)
BOD_5 AQ	1 L Plastic	Cool, 4°C	48 Hours	5210B (5)
pH AQ	25 ml Plastic or Glass	None	Immediately	9040 (2) 150.1 (1)
pH Non-AQ	4 oz wide, G Teflon lined cap	None	Immediately	9045 (2)

*Holding time begins at time of sample collection.

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

Parameter	Container	Preservation	Holding Time*	Method
Total Organic Carbon (TOC) AQ	Glass Teflon lined cap	Cool, 4°C H_2SO_4 to pH <2	28 Days	415.1 (1)
Total Organic Carbon (TOC) Non AQ	4 oz Glass Teflon lined cap	Cool, 4°C	28 Days	9060 (2)
Ammonia AQ	1 L Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	350.3 (1)
Chemical Oxygen Demand (COD) AQ	1 L Glass	Cool, 4°C H_2SO_4 to pH <2	28 Days	410.2 (1)
Cyanide, Total AQ	1 L Plastic	Cool, 4°C NaOH to pH>12	14 Days	335.2 (1)
Cyanide, Total Non-AQ	4 oz Glass Teflon lined cap	Cool, 4°C	14 Days	9010 (2)
Hardness as $CaCO_3$ AQ	100 ml Plastic	HNO_3 to pH<2	6 Months	130.2 (1)
Kjeldahl, Total AQ	1 //l Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	351.3 (1)
Nitrate/Nitrite AQ	100 ml Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	353.3 (1)
Nitrate AQ	100 ml Plastic	Cool, 4°C	48 Hours	352.1 (1)
Nitrite AQ	100 ml Plastic	Cool, 4°C	48 Hours	354.1 (1)
Phenolics AQ	1 L Amber	Cool, 4°C H_2SO_4 to pH <2	28 Days	420.1 (1)
Phosphorus, Total AQ	100 ml Plastic	Cool, 4°C H_2SO_4 to pH <2	28 Days	365.2 (1)
Sulfate AQ	100 ml Plastic	Cool, 4°C	28 Days	375.4 (1)
Specific Conductivity AQ	100 ml Plastic	Cool, 4°C	28 Days	120.1 (1)
Turbidity AQ	500 ml Plastic	Cool, 4°C	48 Hours	180.1 (1)
Surfactants, MBAS AQ	500 ml Plastic	Cool, 4°C	48 Hours	425.1 (1)

*Holding time begins at time of sample collection.

CATEGORY: Sample Handling
TITLE: Sample Containers, Preservation and Holding Times

Parameter	Container	Preservation	Holding Time*	Method
Ignitability	P, G	None	NA	1010 (2)
Reactivity - (HCN)	P, G	Cool, 4°C	14 Days	7.3.3 (2)
Reactivity- (H_2S)	P, G	Cool, 4°C	7 Days	7.3.4 (2)
Paint Filter Test	P, G	None	NA	9095 (2)

*Holding time begins at time of sample collection.

(1)-"Methods of Chemical Analysis of Water and Wastes", Environmental Monitoring and Support Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, March 1983, EPA-600 4-79-020.

(2)-"Test Methods for Evaluating Solid Waste", Physical/Chemical Methods, SW-846, 3rd Edition.

(3)-Code of Federal Regulations, Title 40, Part 136.

(4)-"Methods for the Determination of Organic Compounds in Drinking Water", EPA-600/4-88/039, EMSL, USEPA, Cincinnati, OH 45268.

(5)-"Standard Methods for Water and Wastewater", 16th Edition.

CATEGORY: Sample Handling
TITLE: Sample Receiving, Log-In and Disposal

1 PURPOSE: To document the procedure for the handling of coolers, logging in samples and disposal within the laboratory.

2 RESPONSIBILITY: Designated laboratory or administrative personnel who have been properly instructed and trained in the log-in procedure shall be responsible for checking in samples.

3 REFERENCE: Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1989.

4 SUMMARY:

4.1 Using the Master Logbook, assign the next consecutive number as the FMETL project number for the samples.

4.1.1 Open the cooler and immediately check and record the cooler temperature by measuring the temperature of the cooler blank (bottle of water transported with samples).

4.1.2 Record the cooler temperature on the SAMPLE RECEIPT FORM, (Attachment 1).

4.1.3 Inspect the cooler contents by completing the top section of the SAMPLE RECEIPT FORM - Preliminary Examination Phase.

4.1.3.1 Remove samples and verify against the chain of custody to insure documentation accuracy and completeness.

4.1.3.2 Verify field identification numbers against the CHAIN OF CUSTODY FORM, (Attachment 2).

Prepared By _____ Date 7/28/99

Approved By _____ Date 7/28/99
QA Manager / Laboratory Director

4.1.3.3 Assign each individual sample an FMETL ID # which is designated by the project number with a hyphenated suffix beginning with -.01, and increasing consecutively for each sample in the project.

4.2 Inspect the samples for breakage, preservation, and overall condition by completing the center portion of the SAMPLE RECEIPT FORM - Log-In Phase.

4.2.1 Any individual sample that requires acidic or basic preservation methods, determine its pH using pH paper.

4.2.2 Record the sample ID# and pH on the SAMPLE RECEIPT FORM.

4.3 In the event of any discrepancies with either the coolers or the samples, complete the laboratory corrective action memo in the lower section of the SAMPLE RECEIPT FORM.

4.3.1 Reference any discrepancies and document the corrective action taken (e.g. pH adjustment or re-attaching loose label).

4.3.2 Where corrective action requires notifying appropriate persons of the problem (e.g. for incorrect sample volumes or broken bottles that would require resampling), contact client or appropriate person immediately to resolve any discrepancies. Record the time and date of the notification on the lower section of the SAMPLE RECEIPT FORM and initiate a Corrective Action Report.

4.4 Record the required information on the CHAIN OF CUSTODY FORM:

4.4.1 Lab Sample ID#.

4.4.2 Date and time received.

4.4.3 Project information (e.g. number of samples received, type of analyses).

4.5 Information on all samples received will then be entered into a bound logbook. This logbook will be of ledger type with columns and numbered pages. Each sample logbook will be sequentially numbered and on the outside cover, the starting

date and sample numbers will be indicated. All entries will be made using a ballpoint pen with permanent ink. All errors will be crossed out with a single line and initialed. The following will be entered into the logbook:

4.5.1 Sample ID#
4.5.2 Site
4.5.3 Location
4.5.4 Sample Date/Time
4.5.5 Matrix
4.5.6 Sampler
4.5.7 Analysis
4.5.8 Comments

4.6 A job folder will then be created. The job folder will be kept, sequentially, in a designated filing cabinet. The folder will contain the original chain of custody, sample receipt form and any field notes or maps. Data will be inserted into the folder, as it becomes available.

4.7 Deliver the logged-in samples to the proper storage areas (designated refrigerators). Proper storage of all samples prior to preparation and analysis is critical to the determination of accurate and high quality analytical results. Samples that are not properly stored may suffer degradation, volatilization, or reaction.

Refrigerator #	Samples
1	Volatiles
2	Semivolatiles
3	Extractions
4	Sample Receipt
5	Extracts
6	Metals/Wet Chemistry

4.8 Store samples that may easily be contaminated by other samples (such as drinking water samples) in a refrigerator separate from one where more highly contaminated samples are stored.

4.8.1 Monitor the temperatures of storage refrigerators daily to ensure sample integrity (see OQC-0303).

4.9 Deliver a copy of the CHAIN OF CUSTODY FORM to the various departments to notify analysts of the presence of the samples.

4.10 Each analysis has specified limits on Holding Times (see SAM-0200).

4.10.1 For samples received within 72 hours of sampling or before one-half of the holding time period is expired (whichever is less), the analyst will initiate sample preparation and/or analysis within the prescribed holding times.

4.10.2 For samples arriving after this, the client will immediately be informed of the status of the sample and told whether preparation and/or analysis can still be performed within established holding times. If preparation or analysis within the designated holding times is impossible, the client will be contacted for further instructions.

4.11 Due to limited refrigerator space, samples will be removed after a 90-day period or when analysis is complete.

4.11.1 Soil samples are emptied and returned to the site location.

4.11.2 Unpreserved aqueous samples are returned to their effluent discharge.

4.11.3 Preserved aqueous samples are disposed of into a 55-gallon acid/aqueous drum.

4.12 All waste materials classified as hazardous are managed in accordance with the Fort Monmouth Hazardous Waste Management Plan.

Attachment 1

SAMPLE RECEIPT FORM

Date Received: _____ Lab Project ID#: _____

Site/Project Name: _____ Cooler Temp (d. C): _____

Received By: _____ Sign: _____
(print name)

Circle the appropriate answer

1. Did the samples come in a cooler ? yes no
2. Were the chain of custody papers filled out correctly and legibly? yes no
3. Did you sign the chain of custody in the appropriate place? yes no
4. Did all the labels agree with the chain of custody and in good condition? yes no
5. Were the correct containers and/or preservatives used for the tests indicated? yes no
6. Was a sufficient amount of sample sent for the tests indicated? yes no
7. Were bubbles absent from aqueous VOC sample containers? yes no

Fill out the following table for each sample bottle

Sample ID	pH	Preservative	Sample ID	pH	Preservative

Comments: _____

Attachment 2

CHAIN OF CUSTODY FORM

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 Recor

Customer:
Phone #:
( )DERA ( )OMA ( )Other:_____

Project No:
Location:

Analysis Parameters

Comments:

Samplers Name / Company :

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles									Remarks / Preservation Metho

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0205
Revision No.: 1
Date Revised: 8/9/99

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP Sites at Fort Monmouth

1 PURPOSE:

To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:

Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 REFERENCES:

3.1 Field Sampling Procedures Manual, May 1992 (most current). New Jersey Department of Environmental Protection and Energy.

3.2 Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities developed by NIOSH, OSHA, USCG, EPA. Oct. 1985

3.3 NJDEP Field Analysis Manual, July 1994.

3.4 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.

3.5 Lab SOP: SAM-0200, SAM-0202, OQC-0302

4 SUMMARY:

The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual.

Prepared By		Date	5/9/99
Approved By	QA Manager / Laboratory Director	Date	8/9/99

5 EQUIPMENT AND MATERIALS:

5.1 Equipment

5.1.1 Dissolved oxygen meter
5.1.2 HNU photo ionizer
5.1.3 Conductivity/pH/temp meter
5.1.4 Peristaltic well pumps
5.1.5 Pump heads and power cables
5.1.6 Water level meter
5.1.7 Oil/water interface probe
5.1.8 Submersible well pumps
5.1.9 Various batteries
5.1.10 Buckets
5.1.11 Miscellaneous tools, i.e. screwdriver, well wrench, etc.

5.2 Materials:

5.2.1 Thick wall silicone tubing ¼ inch diameter,
5.2.2 Polyethylene (food grade) tubing ¼ inch diameter,
5.2.3 12 inch single sample 1 check stop teflon disposable bailers,
5.2.4 Mason string.

6 STANDARDS/REAGENTS:

6.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.

6.1.1 Buffer solutions:
6.1.1.1 7.00 standard buffer solution
6.1.1.2 10.00 standard buffer solution
6.1.1.3 4.00 standard buffer solution
6.1.1.4 Distilled and deionized water
6.1.1.5 Alconox
6.1.1.6 10 % nitric acid rinse (trace metal or higher grade HNO3 diluted with distilled/deionized (ATSM Type II) H2O)
6.1.1.7 Acetone (pesticide grade)
6.1.1.8 Pure nitrogen 100 ppm Isobutylene calibration gas.

6.1.2 Acids/materials used in preserving samples:

6.1.2.1 Nitric acid 69, 0-70.0%
6.1.2.2 Sulfuric acid 50% (w/w) solution
6.1.2.3 Hydrochloric acid (trace metal grade)
6.1.2.4 Ice for keeping samples at <4 degrees celsius.

Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field).

7 CALIBRATION:

All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a Winkler method test weekly. All calibrations for a given day's use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Likewise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against an NIST traceable thermometer annually.

8 PROCEDURE:

The following articles document the procedures for sampling monitor wells. They are to be used as a guide, by trained personnel, in conjunction with the NJDEP Field Sampling Procedures Manual.

8.1.1 Preparation: It should be noted that before going out into the field, certain preparations must be made. This includes the selection of PPE, safety plans, proper bottle acquisition for analytes being tested, site entry, map information, and equipment.

8.1.2 Selection of personal protective equipment (ppe): For adequate protection and prevention of contaminant exposure to workers at hazardous waste sites in all phases of work, PPE is properly used and supplied. Determination of PPE will be outlined in a Health and Safety Plan, and also by preliminary site investigations. Refer to NJDEP Field Sampling Procedures Manual, and the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities.

8.1.3 Health and Safety Plans: These plans are developed to encompass all the aspects of site operations. Plans are available to personnel associated with site sampling and a copy is kept on file at the site (in this case, the laboratory). At a minimum, the plan includes all portions of Site Remediation Program's (SRP) Site Safety and Health Standard Operating Procedures deemed appropriate for site, detailed site description, emergency phone numbers, a map and directions to nearest hospital identified on the map, and all PPE needed.

8.1.4 Proper bottle selection: Please refer to QA/QC section 10.1.

8.1.5 Equipment: Please refer to Equipment section 5.

8.1.6 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activities take place. The following is a list of information/data/steps required prior to the commencement of purge activities. Pertinent information is recorded in logbooks or on well sheets.

8.1.7 Date, time and weather conditions: Date and time are needed for holding time purposes and general record keeping. Weather conditions may affect ambient conditions at a particular site, therefore said information is recorded. Tidal influences may also be included here, if wells are in a tidal area.

8.1.8 Well number and permit number: These are prominently displayed on the outside of each well in accordance with NJDEP regulations for well construction.

8.1.9 Meter and instrument calibrations: Meters utilized in the course of site sampling activities are calibrated at this time, and the findings recorded in the appropriate logbook. Refer to section 7 for instrument/meter calibration directions.

8.1.10 PID or FID, HNU reading: This is taken from the well inner casing immediately after the cap is removed, findings are recorded.

8.1.11 Free product check: Using ORS interface meter for interfaces, the presence or absence of free product is determined. Thickness is measured and recorded.

8.1.11.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness for DNAPLs and LNAPLs are performed prior to well purging. An interface probe is used (ORS meter) for this task. If present, LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is conducted by using a bottom filling bailer which is lowered into the LNAPL layer. DNAPLs are sampled using a dual check valve bailer. If present, DNAPLs are also tested for chemical and physical properties.

8.1.12 Dissolved oxygen, pH, temperature, and specific conductivity: Readings are obtained and recorded on well sheets.

8.1.13 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyors mark. All data is recorded on well sheet.

8.1.14 Calculations: Calculations are made as stated in section 9.

8.2 Purging: When pre-purge activities are complete, the purging of a well can begin. This includes pre-entry to the well and pump setup.

8.2.1 Pre-entry to well: Before tubing (refer to materials section) is inserted into a well, it is wiped down and rinsed with DI water. The tubing is then inserted into the well to a maximum depth of six feet below the water table. During purge activities, the depth of the tubing may be adjusted to prevent the static water level from dropping below the end of the tubing.

8.2.2 Pump setup: Once the battery powered peristaltic pump is set up, purging can begin. Evacuation rates never exceed that of well development, and total volume purged never exceeds 5 times the amount of standing water. Purge water management practices are described in section 10.1.8.

8.3 After Purge: When purging is complete, the pump is removed and tubing is disposed of properly. Data referenced in section 8.3.2 is then taken and recorded.

8.3.1 Pump removal: Tubing is removed from the bottom end while the pump is still running. Tubing is then disposed of. The pump is shut down and decontaminated for its next application.

8.3.2 The following data is recorded on the well sheet: Start and end time of purge, purge method, purge rate, total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

8.4 Field Blank Sample: At this time the field blank sample is collected. A new bailer is opened from its sealed package and field blank water is run over the bailer or sample equipment and collected into the proper sample containers.

8.5 Ground water sampling: Following well evacuation procedures, ground water sampling can begin. In most cases, sampling takes place immediately following purge activities. However, due to certain field conditions, well sampling may be postponed for a period not to exceed 2 hours following completion of purge activities. When multiple wells are being sampled, the least contaminated well is sampled first. Subsequent wells are sampled in order of ascending contamination. Sampling is conducted by using a bottom filling Teflon bailer, dedicated to each particular monitoring well. The bailer is lowered slowly into water column until submerged, and then slowly retrieved. The sample is then carefully transferred to the appropriate sample containers. Ground water collected in the first bailing sequence is always used for sampling purposes, it is never discarded.

8.6 Sample order: Samples are collected in the following order:

8.6.1 volatile organics (VOA)
8.6.2 purgeable organic carbons (POC)
8.6.3 purgeable organic halogens (POX)
8.6.4 total organic halogens (TOX)
8.6.5 total organic carbon (TOC)
8.6.6 base neutrals/acid extractables
8.6.7 TPHC/oil and grease
8.6.8 PCB's/pesticides
8.6.9 total metals
8.6.10 dissolved metals

8.6.11 phenols, cyanide
8.6.12 sulfate and chloride
8.6.13 turbidity
8.6.14 nitrate and ammonia,
8.6.15 preserved inorganics
8.6.16 radionuclides
8.6.17 non-preserved inorganics
8.6.18 bacteria

8.7 Dupes and matrix spikes/matrix spike duplicates: These samples are taken in same order at same time. Refer to section 10.2.1.2.

8.8 After sampling: The following data is recorded on well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

9 CALCULATIONS:

Four calculations are made while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

9.1 Linear feet of water: This is calculated by knowing the total depth of a well and subtracting the depth to water as measured by a depth meter. These two numbers are measured to within .01 feet. Through this calculation, the linear feet of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

9.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. Multiplying the amount of water within a casing by 3 equals the minimum volume to be purged. It should be noted that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:

linear feet of water x volume per ft for well diameter = amount of water in casing)
then,
(amount of water in casing x 3 = minimum volume to be purged)

Equation:

(amount of water in casing x 5 = total volume not to be exceeded)

Figure 1: Capacity of Common Casing Diameters
(Pp. 170 in NJDEP (FIELD SAMPLING PROCEDURE MANUAL)

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

9.3 Purge rate: The purge rate is determined by calculating the length of time it takes for a pump to fill a 1-gallon bucket with water. The time is then multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:
(time x minimum volume to be purged = length of purge in minutes)
then,
(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

10 QUALITY CONTROL:

The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable from sample collection to complete

analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 24-74. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

10.1 Sample Containers: Before sample collection can begin consideration must be given as to what type container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and the laboratory's internal QA/QC requirements. They are selected upon review of the following:

10.1.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

10.1.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the sample matrix. The laboratory supplies bottles that allow for sufficient volumes of sample matrix to be collected.

10.1.3 Color of container. Whenever possible, amber glass is used to prevent photodegradation. If not available, samples are protected from light. One exception is the use of 40 ml clear glass vials which are used for VOA/aqueous analysis.

10.1.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of inert material with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

10.1.5 Decontamination of containers and chain of custody. Sample containers are laboratory cleaned or purchased as lab cleaned. Bottles being shipped are accompanied by a chain of custody in a cooler with a custody seal. Custody always accompanies containers to the field, during collection, back to lab, and during analysis. This helps to assure no tampering or contamination from outside sources occurs.

10.1.6 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of

contamination. Samples and chain of custody are secured in coolers or transport, with said chain of custody in with bottles or in the possession of authorized personnel. Also, a temperature blank is included in each cooler to measure temperature of samples on ice (ideally a constant 4 degrees Celsius).

10.1.7 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Care is taken to prevent the pump and tubing from coming into contact with the ground surface. Prior to well purging, all tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials which may be present.

10.1.8 Disposal of development, purge, pump test, and decon waters: To determine whether waste waters are contaminated, field instrument readings and previous analytical data is used to characterize it. Water not considered contaminated is re-applied directly to ground surface and permitted to percolate back to the water table. Care is taken to avoid nuisance situations where a discharge may cause undue concern. When water is considered contaminated, the water generated is reapplied only if the following conditions are met: ground water is not permitted to migrate offsite, no potential exists for contaminating a previously uncontaminated aquifer, discharge will not cause an increase to ground surface soil contamination. If these conditions are met, the water is re-applied to the ground surface. If these conditions aren't met, than water is collected, containerized and secured in a single locale. Subsequently, the water is properly characterized and processed for offsite disposal.

10.2 QA/QC samples: These samples are intended to provide control over the collection of environmental measurements and subsequent validation, review, and interpretation of analytical data. Trip blanks are used exclusively for volatile organic analysis, (aqueous sampling only) and their purpose is to measure possible cross contamination of samples during shipment to and from a site. Trip blanks are never opened and travel to a site with the empty sample bottles and back from a site with the collected samples. Contaminated trip blanks may indicate bottle cleaning or blank water of questionable quality. Trip blanks are collected at the rate of one per day. Likewise, the purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. Field blanks travel and are stored with the sample bottles. Field blanks are collected in the following manner. Two identical sets of bottles are

prepared. One set is filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles are shipped with the other empty sample containers. At the field location, in an area where contamination is suspected, the water is passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks are preserved identically to samples receiving the same analyses. Field blanks are collected and analyzed for all of the same parameters as the samples collected that day.

10.2.1 Additional QA/QC samples:

10.2.1.1 Duplicate samples: Collection of a dupe provides for evaluation of laboratory performance by comparing the analytical data of two samples from the same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by alternately filling sample bottles from the same source/device for each parameter. VOA samples are same bailer and first set filled.

10.2.1.2 Matrix spike/Matrix spike duplicate analyses or MS/MSDS sample: The laboratory is supplied with triple volume in order to perform matrix spike and matrix spike dupes. This does not include trips or field blanks. Additional sample volume for MS/MSDS is taken within every set of 20 field samples.

10.3 Sample preservation: Sample bottles are preserved by lab staff based upon analytical requirements. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 24-74.

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0207
Revision No.: New
Date Revised: 7-3-99

CATEGORY: Sample Handling
TITLE: Field Sampling / Methanol Extraction

1 PURPOSE: To document the current procedures for sample collection using the Methanol Extraction Method.

2 RESPONSIBILITY: Designated field samplers who have been properly instructed and trained in field sampling protocol and techniques.

3 REFERENCES: NJDEP Methodology for the Field Extraction/ Preservation of Soil Samples with Methanol for Volatile Compounds. February 1997.

4 SUMMARY: This method describes the container preparation,field sampling and field extraction/preservation procedure to be used in conjunction with the analysis of soil samples for volatile organics.

4.1 Soil samples collected for volatile organic analysis must be handled in a manner which will minimize the loss of contaminants due to volatilization and biodegradation. Field extraction/preservation with methanol must be conducted to ensure that contaminants do not degrade or volatilize during sample handling and transport.

4.2 A small diameter soil core sampling device is used to collect a 10 gram soil sample.The sample is extruded into a tared sample container, supplied by the laboratory performing the analysis.

5 SAMPLE COLLECTION METHODOLOGY:

5.1 Soil sample collection for volatile organic analysis must be performed with the use of a decontaminated small diameter coring device. A modified 10-30 ml disposable syringe or commercially available small diameter tube/plunger sampler is acceptable. The small diameter coring device must be capable of collecting the required amount of sample from larger diameter core samplers (split spoons, etc.) or from freshly exposed soils.

Prepared By _____ Date 7-3-99

Approved By _____ Date 7-3-99
QA Manager / Laboratory Director

5.2 If a modified disposable syringe is used it can be prepared in-house by cutting off the injection tip. Depending upon the construction of the syringe, small air vents must be cut into the plunger or if a modified disposable syringe is used it can be prepared in-house by cutting off the injection tip. Depending upon the construction of the syringe, small air vents must be cut into the plunger or the rubber tip and retaining post must be removed. These alterations to the plunger will prevent air from being forced through or around the soil plug during subcoring and sample extrusion.

5.3 The small diameter core sampler must be capable of delivering the sample directly into the sample container. The outer diameter of the core sampler must be smaller than the inner diameter of the sample container to avoid loss of sample and ease the soil transfer process.**The sample from the small diameter core cannot be transferred to a secondary container such as another sample bottle, zip lock bag, aluminum foil, etc. prior to placement into the sample container with the methanol preservative.**

5.4 Use a small electronic balance or manual scale for measuring the weight of the soil in the syringe. The scale must be calibrated before use, and intermittently the calibration should be checked during the sampling day to ensure accuracy of the weight measurements.

5.5 Tare weigh the small diameter core sampler

5.6 Once the sampling interval has been selected, trim off the surface soils of the sample interval to expose a fresh soil surface. The loss of volatile organics from the surface soils will occur if the soil has been exposed for a short period of time (during screening, etc.). The removal of the surface soils can be accomplished by scraping the soil surface using a decontaminated spatula or trowel The sampling procedure must commence immediately once a fresh soil surface has been exposed.

5.7 Using a decontaminated coring device, collect 10g ≮2g (8-12grams) of sample (wet weight). Wipe the outside of the subcoring device to remove any adherent soil. The plunger of the coring device can be pulled back or completely removed allowing the open barrel of the subcore to be inserted into the soil. Depending upon the soil texture, depth or moisture content, the subcore can be inserted straight into the soil, on an angle or multiple insertions can be performed to obtain the required sample weight.

5.8 Quickly weigh the sample while contained in the small diameter core sampler. Excess soil sample can be removed from the coring device by extruding a small portion of the core and cleaning away with a decontaminated trowel or spatula. **If soil weight is below**

the weight limit, obtain additional sample. Reweigh after each addition or removal of sample to the subcore until the target weight is attained (8-12g). Analytical results from a sample exceeding the weight maximums and minimums may be rejected and thus require resampling.

5.9 When sampling soils consisting of similar textures and water content, sample weight can be estimated based on volume of previously weighed samples from sampling or practice core sampling to determine sample weights.

5.10 Immediately open the sample container and slowly extrude the soil core into the preweighed and prenumbered sample container supplied by the laboratory performing the analysis. Avoid splashing methanol out of the sample container. Do not insert the small diameter coring device into the mouth of small diameter sample containers (40ml or 60ml VOA vials) or immerse the small diameter soil coring device into the methanol.

5.11 Ensure the threads on the sample container and cap are free of soil particles. Use a clean brush or paper towel to remove the particles off the threads. The presence of soil particles compromises the seal of the container resulting in loss of methanol which may invalidate the sample.

5.12 Secure the lid of the sample container. Gently swirl the sample to mix and break up the soil aggregate until soil is covered with methanol. **Do not shake.**

5.13 Do not attach any additional adhesive backed labels or tape to the sample containers. Record sample numbers on container avoiding covering laboratory identification number. Labels with wire or rubber band attachments may be used provided they can be removed easily for sample weighing. Record laboratory and field identification numbers on chain of custody and field notes.

5.14 The actual weight of soil will be determined by the laboratory performing the analysis.

5.15 Do not use or submit samples for analysis if any methanol has spilled from a sample container during shipment to the site or during sampling. Extra sample containers can be made available by the laboratory in case of accidental spillage of methanol in the field.

5.16 After sample collection, immediately return the containers to an iced cooler in an upright position. Sample containers can be placed in separate ziplock bags to protect other containers in case of leakage during transport. The laboratory sample number or field sample identification number may be placed on the bag and crossed referenced on the Chain of Custody. Do not place additional adhesive backed labels or tape on the sample containers. If any methanol is lost from a sample container upon arrival at the laboratory, the sample is invalid and resampling must be performed.

6 MOISTURE DETERMINATION:

6.1 To report the sample results on a dry weight basis, collect one duplicate sample **not preserved with methanol** from each sample location for moisture determination. Tightly seal the container to prevent the loss of soil moisture. This sample does not require to be weighed or preserved with methanol. This is taken for a percent solids analysis and a two ounce container is sufficient for this sample, it is taken for each methanol sample taken including duplicates.

7 QA/QC SAAMPLE AND DECONTAMINATION REQUIREMENTS

7.1 **The collection of an Ambient Blank is not required when sampling is performed using the methanol extraction/preservation technique**. It will be optional at the discretion of the site investigation team, or will be required on a site specific basis if previous elevated analytical results are suspected due to contamination from the sampling environment.

7.2 If Ambient Blanks are employed, the frequency of collection should be one (1) per day or at the discretion of the investigation team based on site conditions.

8 FIELD BLANK:

8.1 A Field Blank is a QA/QC sample which will determine potential contamination from sampling equipment used to collect and transfer samples from the point of collection to the sample container.

8.2 **A Field Blank is not required when sampling with the methanol extraction/preservation technique.** It is optional, or will be required on a site specific basis if previous elevated analytical results are suspected due to cross contamination from sampling equipment.

8.3 A Field Blank is performed by pouring demonstrated analyte free water from one sample container, over each piece of sampling equipment required for sample collection and into a separate set of identical sample containers. Additional information on Field Blanks can be found in the NJDEP Field Sampling Procedures Manual, May 1992.

9 TRIP BLANK:

9.1 A Trip Blank is a QA/QC sample which will determine additional sources of contamination that may potentially influence the samples. The sources of the contamination may be from the lab, sample bottles or during shipment.

9.2 **A Trip Blank is required when sampling with the methanol extraction/preservation technique.** It will be required due to potential cross contamination from sample shipment or from handling at the laboratory.

9.3 A Trip Blank is prepared at the same time and in the same manner as the sample containers as described in Section 4.0. The Trip Blank must accompany the sample containers to the field and back to the laboratory along with the collected samples for analysis. It must remain sealed at all times until it is analyzed at the laboratory.

9.4 The frequency of collection for the Trip Blank must be at a rate of one (1) per sample shipment.

10 DUPLICATE SAMPLES:

10.1 Perform duplicate samples at a rate of five (5) percent (1 per 20 samples).

10.2 Duplicate samples must be obtained from the same location and soil type to minimize location as a potential source of variation in the analytical results. Separate core samples should be obtained for the sample and duplicate sample.

11 SAFETY:

11.1 Methanol is a toxic and flammable liquid. Therefore, methanol must be handled with all safety precautions related to toxic and flammable liquids. Inhalation of methanol vapors must be avoided. Vials should be opened and closed quickly during the sample preservation procedure. Methanol must be handled in a ventilated area. Use protective gloves when handling the methanol vials. Store methanol away from sources of ignition

such as extreme heat or open flames. The vials of methanol should always be stored in a cooler with ice at all times.

CATEGORY: Sample Handling
TITLE: Geoprobe Sampling Methods for Site 812

1 PURPOSE: To document the procedures used for sample collection.

2 RESPONSIBILITY: Designated field samplers who have been properly instructed and trained in field sampling protocol and techniques.

3 REFERENCES:

3.1 Field Sampling Procedures Manual, May 1992. New Jersey Department of Environmental Protection.

3.2 Geoprobe Tools and Equipment Catalog 98/99.

4 SUMMARY: This SOP represents all general field sampling requirements as required by the NJDEP. It specifically addresses the proper use of protective equipment, collection of QA/QC samples, field decontamination procedures, proper documentation of all field activities, collection of samples into proper containers with the proper preservation and the techniques for collecting each type of sample.

4.1 As a minimum, all field personnel are required to have work boots (steel toe construction), safety glasses or goggles, hard hat and gloves available for all sampling activities. Standard latex surgical gloves are worn at all times when samples are collected or handled.

4.2 Proper documentation of all site activities is crucial. Documentation is maintained to trace the possession and handling of samples from the time of collection, through analysis and disposal.

Prepared By Matt Sam Date 11-12-99

Approved By Date 11-12-99
QA Manager / Laboratory Director

4.3 Every field sampler (team) is required to maintain a bound field-sampling logbook with permanently numbered pages. All field activities and notes are documented in this book. Notations are made in logbook fashion, noting the time and date of all entries. Information recorded in the logbook includes name and location of site investigation, date and time of arrival and departure, persons contacted, weather conditions, samples taken, method and time of collection and depths if required. Field instrument calibrations are kept in separate books.

4.4 Sample containers are labeled after sample collection. Sample labels include the following: well or sample number, parameters, preservatives, date and time of sample collection, sampler's initials and site name/location.

4.5 The sample containers utilized during the execution of this project are as follows:

4.5.1 (1) Four-ounce clear glass containers with Teflon lined lids.
4.5.2 (1) Two-ounce clear glass containers with septum.
4.5.3 (2) 40ml clear VOA vials.

4.6 A chain of custody (COC) form is completed in the field and accompanied each set of samples collected. The COC is a legal record of possession of the samples and of request for analysis. It bears the name of the person assuming responsibility of the sample. A copy of a COC can be found in SAM-0201 Attachment 2 (Sample Receiving, Log-In and Disposal).

4.7 Sample collection techniques are accomplished as follows:

4.7.1 The Macro Core Sampler ® is utilized in the extraction of the soil samples (Ref.5.1). The soils are taken using the methanol extraction method (Ref. SAM 0207).
4.7.2 After completion of the soil samples, a pre-probe is driven approximately three feet into the saturated water zone and extracted (Ref.6.2).
4.7.3 A one-inch polyvinyl chloride (PVC) screen is carefully placed in the bore-hole into the saturated zone (Ref.6.2).
4.7.4 A peristaltic pump is then used to purge the ground water from the PVC screen (Ref.6.3).
4.7.5 A sample is taken using a disposable polyethylene bailer.

4.8 Samples are properly preserved and the correct size, shape and color containers are used. Guidelines for sample containers and preservation can be found in SOP SAM-0200 (Sample Containers, Preservation and Holding Time).

4.9 Equipment List:

4.9.1 Geoprobe Macrocore Sampler® Assembly
4.9.2 Bedrock one inch .10 slot, schedule 40, PVC screen
4.9.3 Bedrock one inch schedule 80 PVC point
4.9.4 Bedrock one inch schedule 40 PVC riser
4.9.5 3/8" food grade polyethylene tubing (disposable)
4.9.6 ¼" I.D. surgical tubing
4.9.7 Masterflex® Peristaltic Pump

4.10 Decontamination Procedures for Field Sampling Equipment

4.10.1 Items de-contaminated are as follows:

4.10.1.1 Macro Core Sampler® and associated parts.
4.10.1.2 Pre-probe point and rods implemented in its use.

4.10.2Aqueous Sampling Decontamination Steps:

4.10.2.1 Detergent plus tap water wash
4.10.2.2 Generous tap water rinse
4.10.2.3 DI water rinse
4.10.2.4 acid rinse (if sampling for metals)
4.10.2.5 DI water rinse
4.10.2.6 Acetone rinse (if sampling for organic parameters)
4.10.2.7 Total air dry
4.10.2.8 DI water rinse

4.10.3 Non-Aqueous Sampling Decontamination Steps:

4.10.3.1 Detergent plus tap water wash
4.10.3.2 Generous tap water rinse
4.10.3.3 DI water rinse

5 GEOPROBE SAMPLING FOR SOILS:

5.1 Sampling with the Macro Core Sampler: The Macro Core sampler is a steel tube that measures two inches in diameter by forty-eight inches in length. The complete assembly consists of the tube, a cutter shoe, a liner tube, and a drive head that is connected to drill rod and advanced into the soil strata. The liner is manufactured of Polyethylene Tera-Phthalate Glycol (PETG) material as well as other materials. The liner is one point seventy-five inches diameter and forty-six inches long. It can hold up to approximately thirteen hundred milliliters of soil when full recovery is obtained. The sampler is decontaminated (Ref.4.10.3), put together and introduced into the soil from zero grade and driven to the desired depth. The sampler is meant to be used mainly as an open advanced borehole system. The sampler is pushed and or percussion hammered into the soil, extracted out of the soil, and opened up.

5.2 Sampling Procedures: After the sampler is extracted out of the bore-hole, the liner is removed and the ends will be sealed with a chemically inert wax film material. Due to expected inclement weather conditions, the cores will be brought into a warm, clean room, cut open and screened with a photo ionization instrument (HNU®) and/or a flame ionization instrument (OVA®). Samples recovered from the vadose zone for VOA analysis are collected using the methanol extraction method (REF. SAM 207). Samples will be collected when instrument (high fid/pid) and/or visual observations are made (oily sheen). Regardless of the above referenced factors, a sample will be taken from each location at the zero to six-inch interval just above the water table. These samples are collected as soon as possible to prevent contaminant volatilization. For every VOA sample collected, a TPHC sample shall also be collected for subsequent analysis. Field notes are written as to note soil structures, colors and any other materials. Odors and any other factors regarding the sample are noted as well.

6 GEOPROBE SAMPLING FOR GROUNDWATER:

6.1 Ground Water Sampling with the use of a Passively Placed Narrow Diameter Point (PPNDP): A narrow diameter point (PPNDP) is a small diameter («-1 inch OD) screened casing passively placed in a bore-hole. A solid push rod (pre-probe) is used to create a narrow diameter hole to a depth below the water table. This is performed with a rotary hammer. A piece of schedule 40 PVC screen with 0.010-inch slots and an end cap are placed at the bottom of each bore-hole from the point where the last soil sample is collected. No filter or gravel pack is used in the construction of each well sampling point. Each well point is utilized for a period of less than 48 hours.

6.2 Installation: Within each bore-hole, commencing from the point where the last soil sample is collected, the pre-probe is driven to a depth of 1-3 feet below the water table. The screened section of PVC is placed into the borehole so the screened interval is positioned across the water table. Prior to installation of the PPNDP, knowledge of the depth to water is established from previous soil sampling activities.

6.3 Sampling Procedure: Three to five volumes of the standing water in the PPNDP is purged prior to sample collection. This is accomplished utilizing a peristaltic pump. The tubing used for the well purging is food grade polyethylene and silicon surgical tubing that is discarded after each purging event. Disposable polyethylene bailers are used to collect ground water samples for VOA analysis. Following sample collection, the PVC screen is removed from each borehole. Granular bentonite is then added to a level just above the saturated zone. Soils previously removed during sampling activities are then reintroduced back into each borehole and compacted.

6.4 Quality Assurance/Quality Control: The PPNDP and associated equipment (bull point, riser pipe, etc.) are decontaminated between borings using the following procedure: 1) Remove all adherent soil material. 2) Wash with a laboratory grade glassware detergent. 3) Rinse with potable water. 4) Rinse with distilled and de-ionized ASTM Type II water. Field blanks are obtained in the same manner as the sample. The blank water is passed through the sample device and the PPNDP prior to installation, then into the sample container. The parameters and frequency for field blanks are designated in the May 1992 edition of the NJDEP Field Sampling Procedures Manual.

7 QUALITY CONTROL:

7.1 QA/QC samples are intended to provide control over the collection of environmental measurements and subsequent validation, review and interpretation of generated analytical data.

7.1.1 The trip blanks are used exclusively for volatile organic analysis, (aqueous sampling only) and its purpose is to measure possible cross contamination of samples during shipment to and from the site. The trip blanks are never opened and travels to the site with the empty sample bottles and back from the site with the collected samples. Contaminated trip blanks may indicate bottle cleaning or blank water of questionable quality. Trip blanks are included at the rate of one per day.

7.1.2 The purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. Field blanks travel and are stored with the sample bottles. Field blanks are collected in the following manner. Two identical sets of bottles are prepared. One set is filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles are shipped with the other empty sample containers. At the field location, in an area where contamination is suspected, the water is passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks are preserved identically to samples receiving the same analyses. Field blanks are collected and analyzed for all of the same parameters as the samples collected that day.

7.1.3 Duplicate sample collection. For aqueous samples, duplicates are taken by alternating filling containers from the same sampling device for each of the required parameters. VOA samples, to include duplicate samples, are always taken from discrete locations or intervals without compositing or mixing. Duplicates are collected at the rate of one per twenty.

APPENDIX C

GROUNDWATER MONITORING WELL AND SOIL BORING LOGS

VERSAR INC.
Groundwater Monitoring Wells MW-1 thru MW-14
April 2000 – May 2000

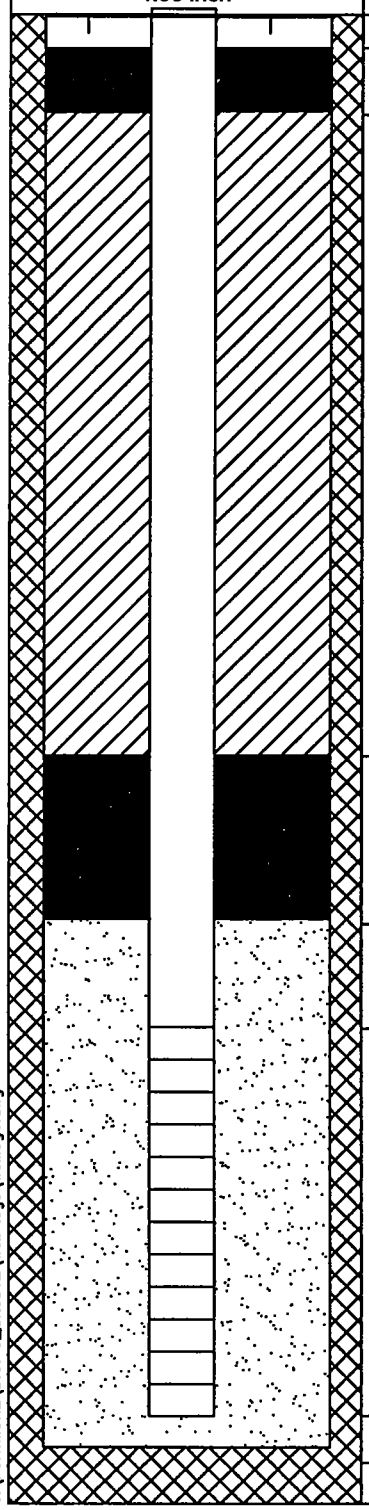
U.S. ARMY FORT MONMOUTH – DIRECTORATE OF PUBLIC WORKS
Borings B-0 thru B-162
September 1999 – February 2000

APPENDIX C

GROUNDWATER MONITORING WELL AND SOIL BORING LOGS

VERSAR INC.
Groundwater Monitoring Wells MW-1 thru MW-14
April 2000 – May 2000

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	52.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-1	DATE STARTED	:	05/04/00
			DATE COMPLETED	:	05/04/00



DEPTH		ELEV.
0.00	TC GS	
1.00		
3.00		
18.00	BN	
28.00	SP	
31.80	SC	
52.00	TD	

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 31.80 ft.
Type: PVC

Casing Grout:
GRANULAR BENTONITE ***Interval:*** 1.00 to 3.00 ft.

PORTLAND CEMENT ***Interval:*** 3.00 to 18.00 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 18.00 to 28.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 28.00 to 52.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 31.80 to 52.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

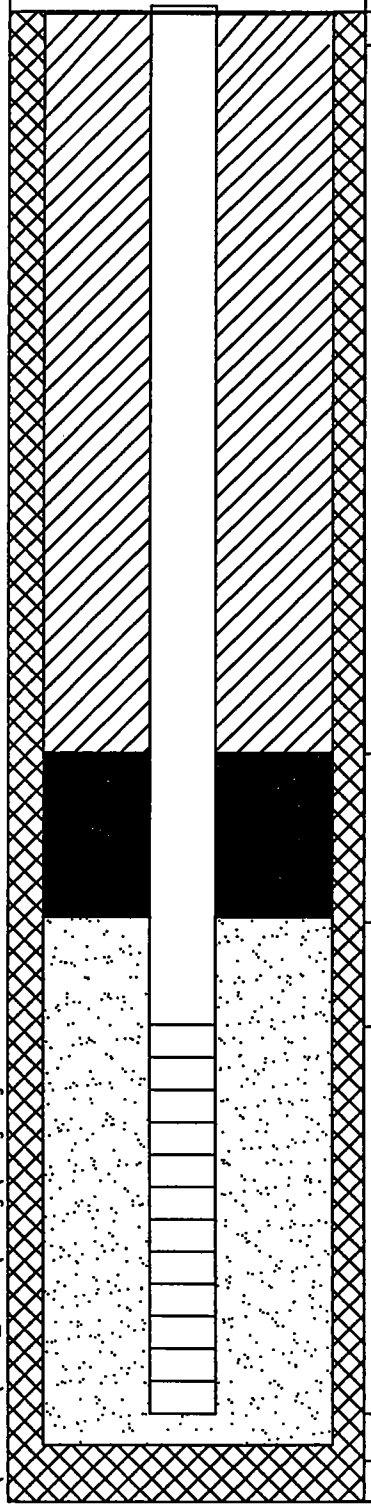
= Grout
= Seal
= Sand Pack
= Formation

NOT TO SCALE

J:\FORTMON2\D.O. 5_Site812\well logs\welllog1.dwg

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	50.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-2	DATE STARTED	:	04/25/00
			DATE COMPLETED	:	04/26/00



DEPTH		ELEV.
0.00	TC GS	
16.00	BN	
26.00	SP	
30.00	SC	
50.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 30.00 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 16.00 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 16.00 to 26.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 26.00 to 50.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 30.00 to 50.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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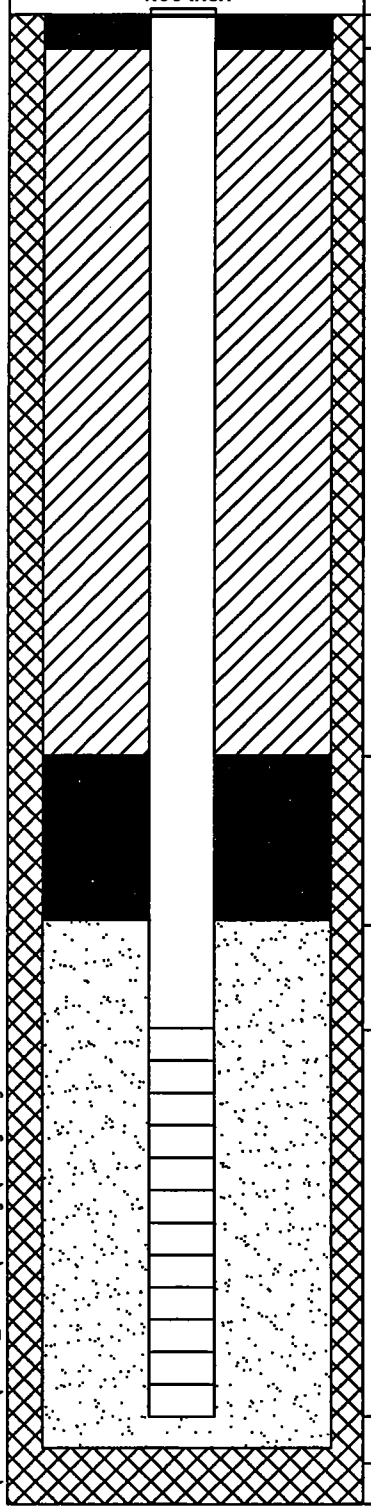
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	50.50'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-3	DATE STARTED	:	05/05/00
			DATE COMPLETED	:	05/05/00



DEPTH		ELEV.
0.00	TC GS	
2.00		
15.00	BN	
25.50	SP	
30.30	SC	
50.50	TD	

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 30.30 ft.
Type: PVC

Casing Grout:
GRANULAR BENTONITE ***Interval:*** 0.00 to 2.00 ft.

PORTLAND CEMENT ***Interval:*** 2.00 to 15.00 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 15.00 to 25.50 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 25.50 to 50.50 ft.

Screen Diameter: 4.00 inch
Type: PVC ***Interval:*** 30.30 to 50.50 ft.
Slots: 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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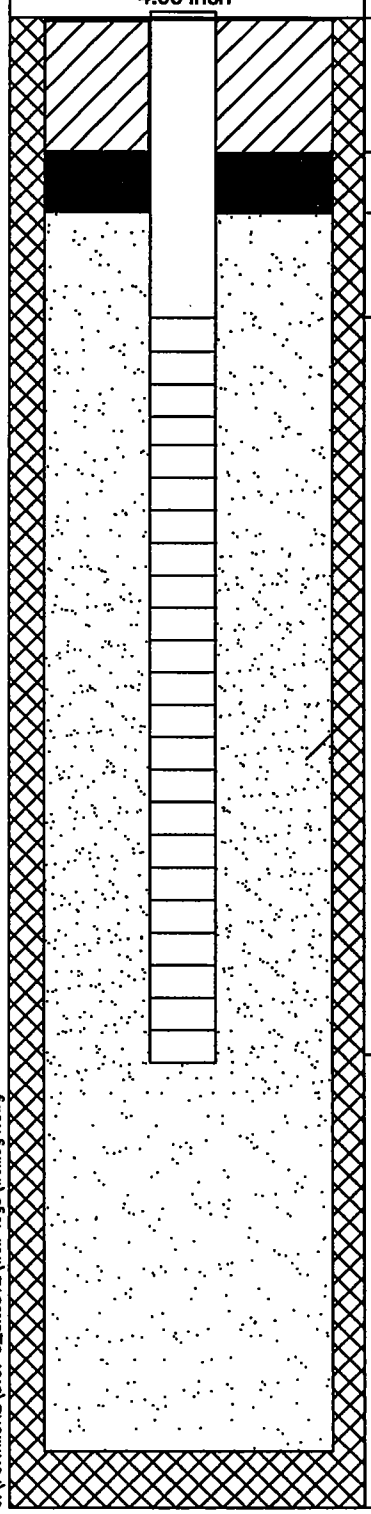
NOT TO SCALE

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	7.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-4	DATE STARTED	:	04/26/00
			DATE COMPLETED	:	04/26/00



DEPTH		ELEV.
0.00	TC GS	
1.00	BN	
1.40	SP	
2.00	SC	
7.00	TD	

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 2.00 ft.
Type: PVC

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

Seal Type: GRANULAR BENTONITE ***Interval:*** 1.00 to 1.40 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 1.40 to 7.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 2.00 to 7.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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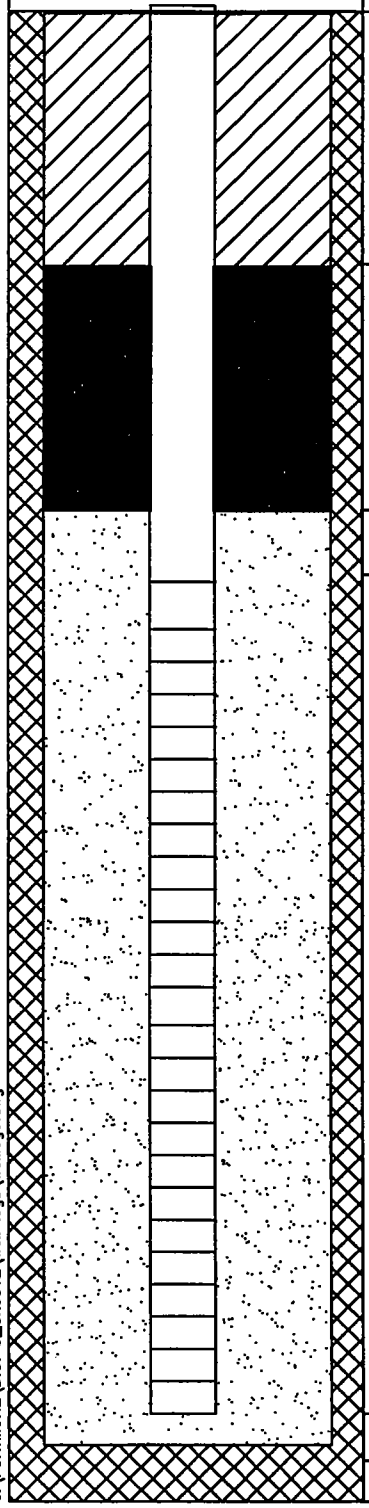
NOT TO SCALE

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	18.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-5	DATE STARTED	:	05/04/00
			DATE COMPLETED	:	05/04/00



DEPTH		ELEV.
0.00	TC GS	
2.90	BN	
5.00	SP	
7.90	SC	
18.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 7.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 2.90 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 2.90 to 5.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 5.00 to 18.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 7.90 to 18.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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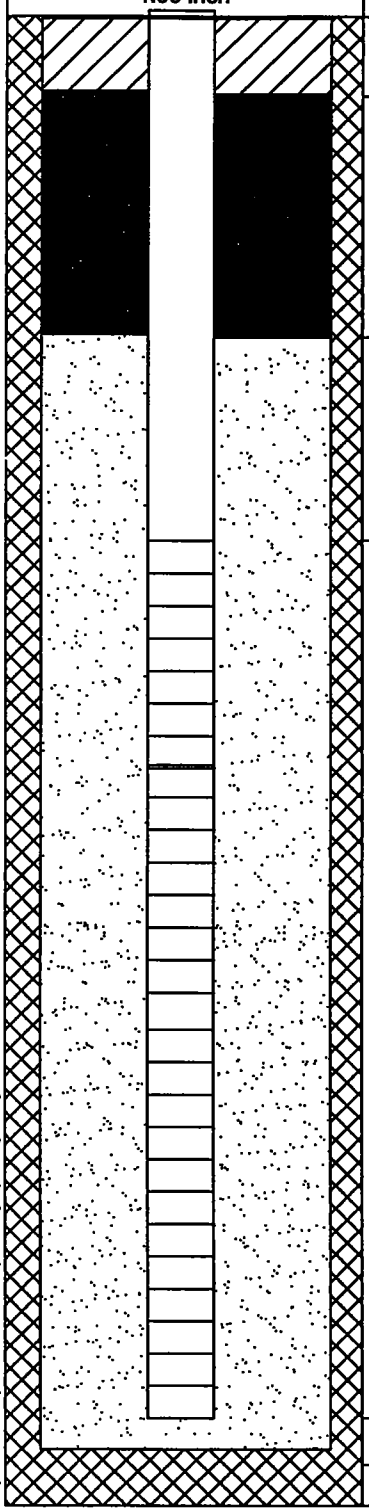
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-6	DATE STARTED	:	04/26/00
			DATE COMPLETED	:	04/26/00



DEPTH		ELEV.
0.00	TC GS	
1.20	BN	
3.30	SP	
5.90	SC	
16.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 5.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 1.20 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 1.20 to 3.30 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 3.30 to 16.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 5.90 to 16.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

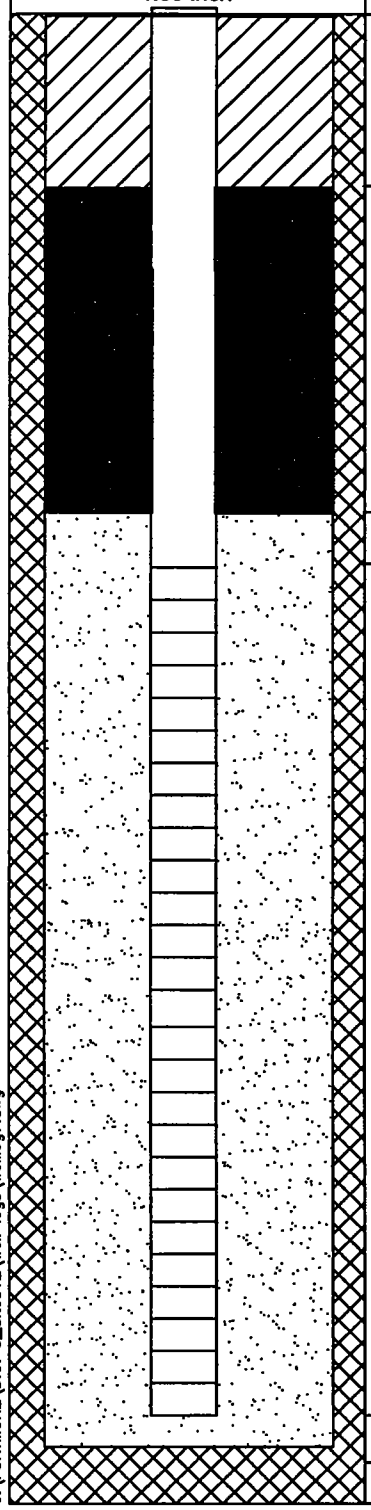
TC = Top of Casing
GS = Ground Surface
BN = Top Seal
SP = Top Sand Pack
SC = Top of Screen
BS = Bottom of Screen
TD = Total Depth

= Grout
= Seal
= Sand Pack
= Formation

J:\FORTMON2\D.O. 5_Site812\well logs\welllog6.dwg

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	18.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-7	DATE STARTED	:	05/03/00
			DATE COMPLETED	:	05/03/00



DEPTH		ELEV.
0.00	TC GS	
2.90	BN	
7.50	SP	
7.90	SC	
18.00	TD	

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 7.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 2.90 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 2.90 to 7.50 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 7.50 to 18.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 7.90 to 18.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

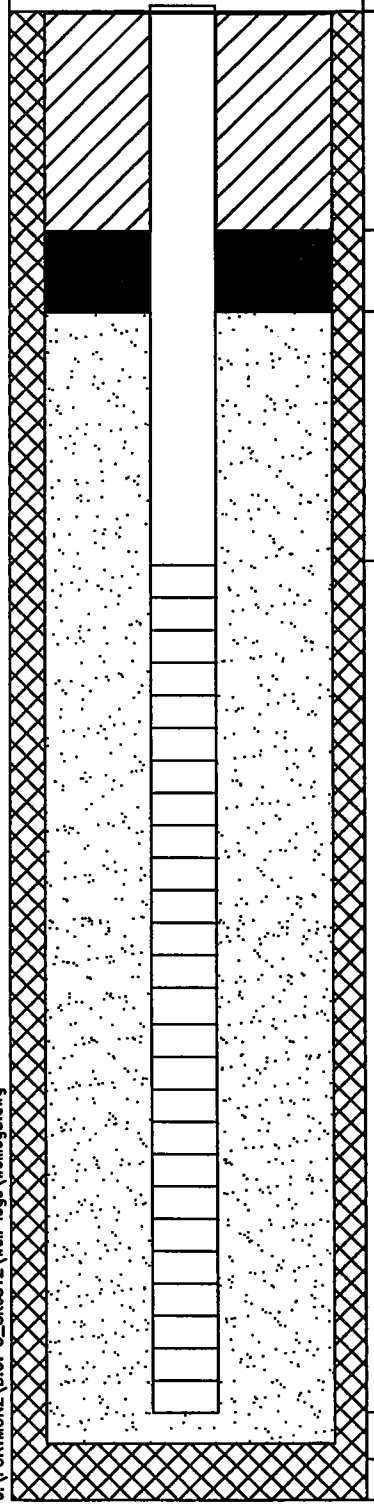
= Grout
= Seal
= Sand Pack
= Formation

J:\FORTMON2\D.O. 5_Site812\well logs\welllog7.dwg

NOT TO SCALE

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-8	DATE STARTED	:	05/01/00
			DATE COMPLETED	:	05/01/00



DEPTH		ELEV.
0.00	TC GS	
2.90	BN	
3.50	SP	
5.90	SC	
16.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 5.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 2.90 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 2.90 to 3.50 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 3.50 to 16.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 5.90 to 16.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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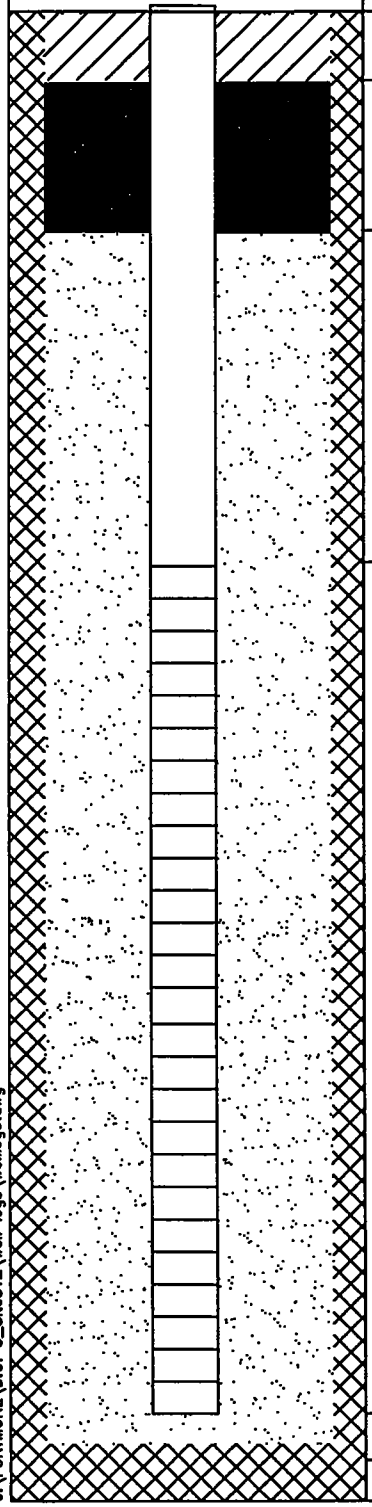
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-9	DATE STARTED	:	05/02/00
			DATE COMPLETED	:	05/02/00



DEPTH		ELEV.
0.00	TC GS	
1.50	BN	
3.00	SP	
5.90	SC	
16.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 5.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 1.50 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 1.50 to 3.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 3.00 to 16.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 5.90 to 16.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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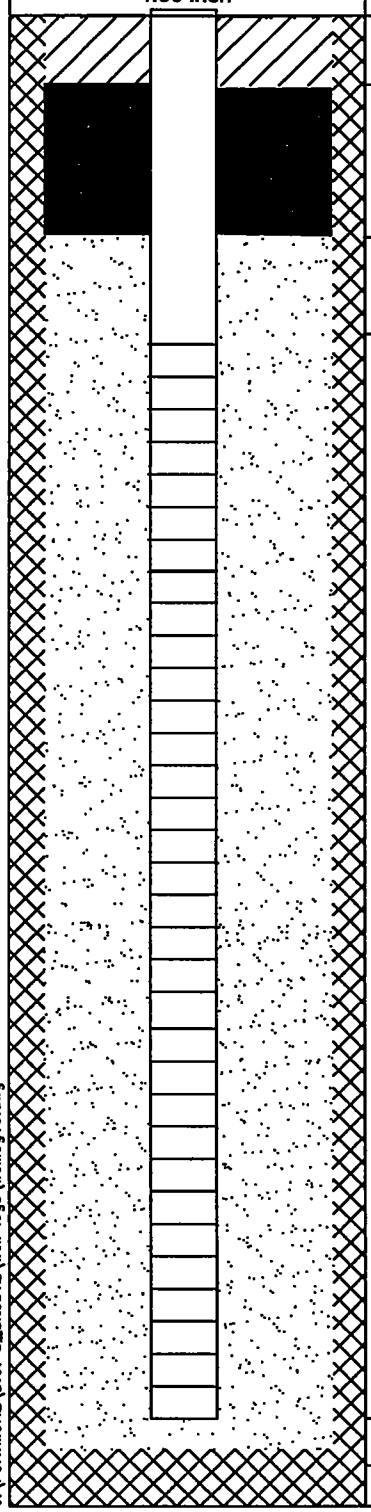
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-10	DATE STARTED	:	05/03/00
			DATE COMPLETED	:	05/03/00



DEPTH		ELEV.
0.00	TC GS	
1.50	BN	
4.00	SP	
5.90	SC	
16.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 5.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 1.50 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 1.50 to 4.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 4.00 to 16.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 5.90 to 16.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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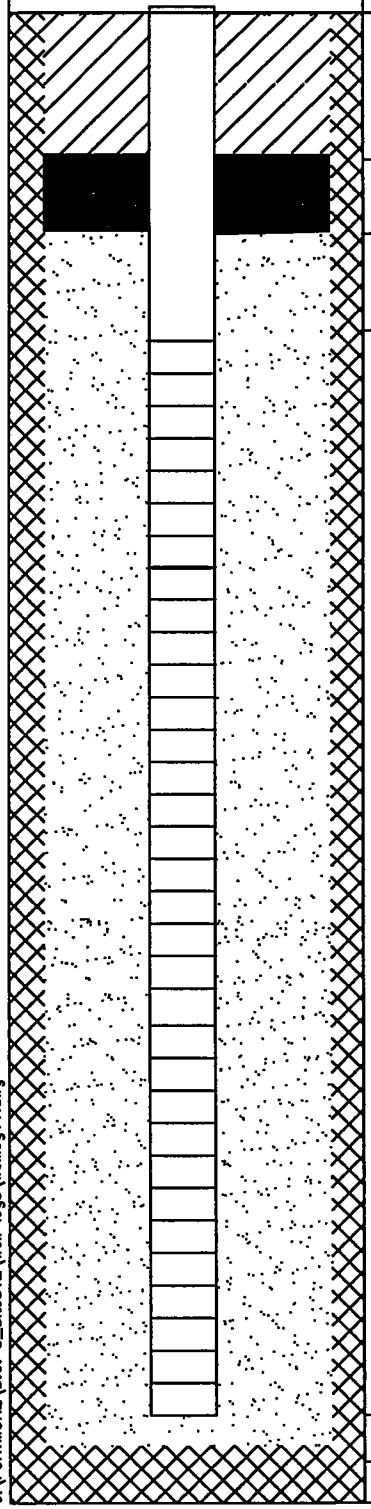
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	15.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-11	DATE STARTED	:	05/02/00
			DATE COMPLETED	:	05/02/00



DEPTH		ELEV.
0.00	TC GS	
2.30	BN	
3.00	SP	
4.90	SC	
15.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 4.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 2.30 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 2.30 to 3.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 3.00 to 15.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 4.90 to 15.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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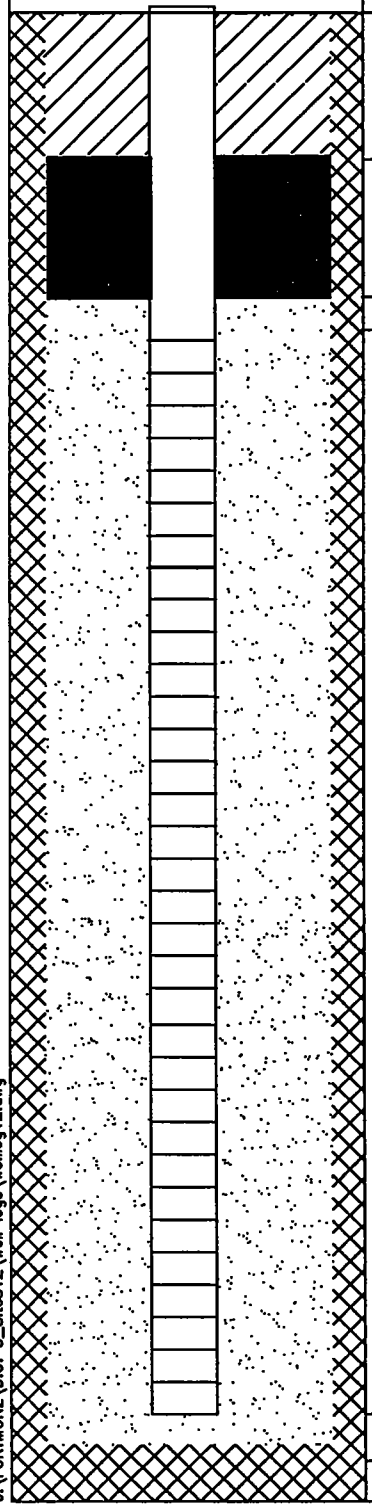
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-12	DATE STARTED	:	05/03/00
			DATE COMPLETED	:	05/03/00



DEPTH		ELEV.
0.00	TC GS	
2.30	BN	
4.80	SP	
5.90	SC	
16.00	TD	

NOT TO SCALE

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DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 5.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 2.30 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 2.30 to 4.80 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 4.80 to 16.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 5.90 to 16.00 ft.
Type: PVC ***Slots:*** 0.010 inches

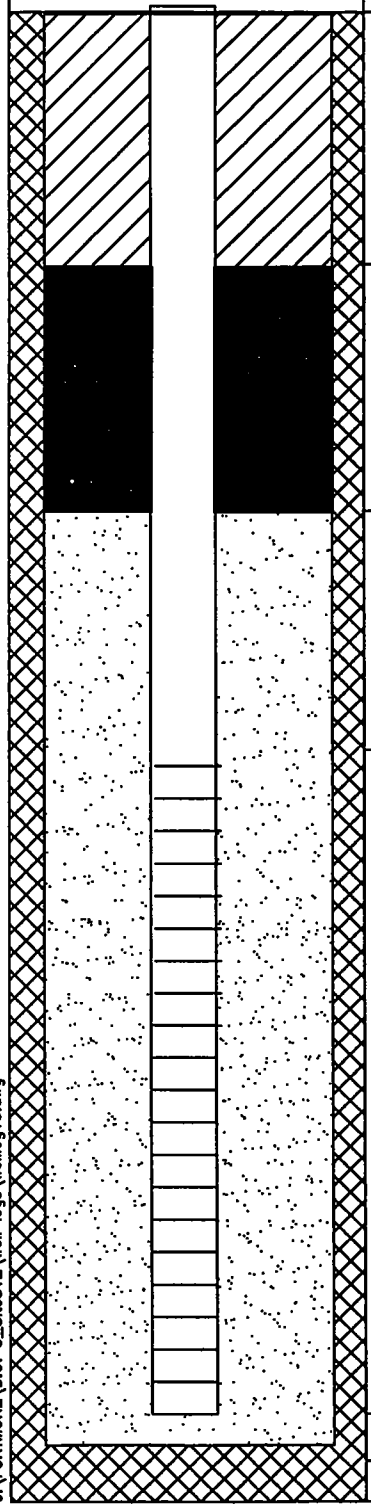
COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	19.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-13	DATE STARTED	:	05/04/00
			DATE COMPLETED	:	05/04/00



DEPTH		ELEV.
0.00	TC GS	
1.90	BN	
5.00	SP	
8.90	SC	
19.00	TD	

NOT TO SCALE

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 8.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 1.90 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 1.90 to 5.00 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 5.00 to 19.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 8.90 to 19.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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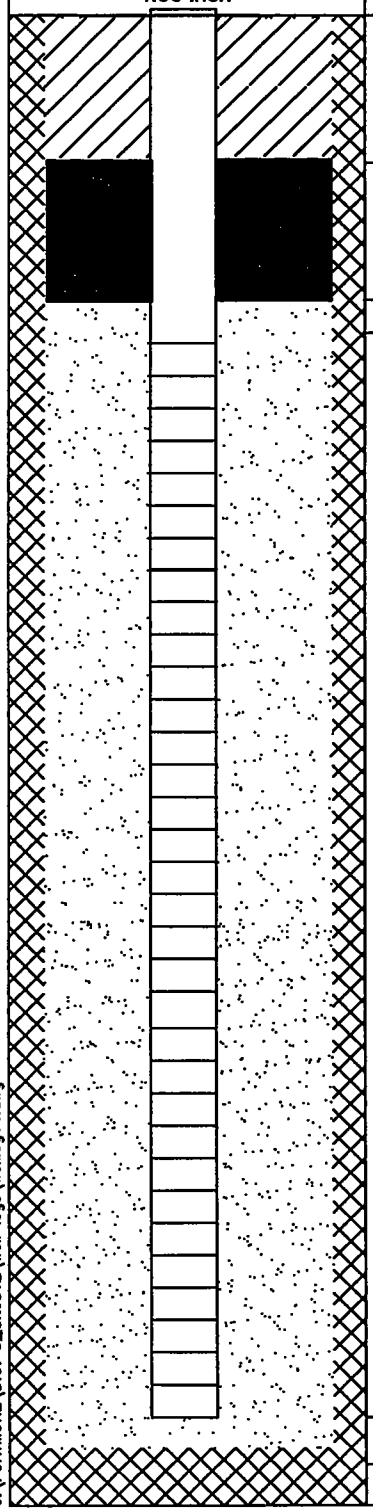
Versar INC.
1900 FROST ROAD, SUITE 110
BRISTOL, PA 19007
(215) 788-7844

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	15.00'
SITE NAME	:	Site 812	LOGGER	:	DP
WELL I.D.	:	MW-14	DATE STARTED	:	05/03/00
			DATE COMPLETED	:	05/03/00



DEPTH		ELEV.
0.00	TC GS	
2.30	BN	
4.80	SP	
4.90	SC	
15.00	TD	

DRILLING SUMMARY

DRILLING CO.	:	Inland Pollution Services
DRILLING RIG	:	HSA
WELL TYPE	:	SINGLE CASED SCREENED

WELL DESIGN CONSTRUCTION

Casing #1 Diameter: 4.00 inch ***Interval:*** 0.00 to 4.90 ft.
Type: PVC

Casing Grout: PORTLAND CEMENT ***Interval:*** 0.00 to 2.30 ft.

Seal Type: GRANULAR BENTONITE ***Interval:*** 2.30 to 4.80 ft.

Sand Pack Type: COARSE WASHED SILICA SAND ***Interval:*** 4.80 to 15.00 ft.

Screen Diameter: 4.00 inch ***Interval:*** 4.90 to 15.00 ft.
Type: PVC ***Slots:*** 0.010 inches

COMMENTS

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

= Grout
= Seal
= Sand Pack
= Formation

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NOT TO SCALE

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	52.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-1	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'22.7"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.1"	DATE STARTED	:	05/04/00
ELEVATION	:	20.14	DATE COMPLETED	:	05/04/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
	2		Fine sand with little silt	Brown - orange brown	MST	HNU 0.0	
	4						
	6						Water level at 6'
	8						
	10						
	12						
	14						
	16				WET	HNU 0.0	
	18						
	20		Fine sand with silt	Golden brown	WET	HNU 0.0	
	22						
	24						
	26		Silt, mica-rich, layered	Black	MST WET	HNU 0.0	
	28						
	30						
	32						
	34		Fine, sandy-silt, mica-rich	Black	MST WET	HNU 0.0	
	36						
	38						
	40		Fine sandy-silt with traces of clay	Black	MST WET	HNU 0.0	
	42						
	44		Silt with little clay and traces of sand	Black	MST WET	HNU 0.0	
	46						
	48						
	50		Fine sandy-silt with traces of clay	Black	MST WET	HNU 0.0	

END OF BOREHOLE

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	50.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-2	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'21.8"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.7"	DATE STARTED	:	04/25/00
ELEVATION	:	17.47	DATE COMPLETED	:	04/26/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
	2		Asphalt				SB61 had been drilled at this location previously.
	4		Fine sandy-silt	Olive			Diesel odor from cuttings.
	6						
	8		Fine sand with traces of silt	Orange brown	WET	HNU 0.0	
	10						
	12						
	14		Fine sand with traces of silt	Orange brown - olive brown	WET	HNU 0.0	
	16					6-9	
	18					10	
	20						
	22		Silt and very find sand, mica rich	Dk. gray - black	WET	HNU 0-1	
	24					0.5-2	
	26						
	28		Silt with traces to little clay and very find sand	Lt. gray	MST	HNU 3	
	30				MST WET	8.5	
	32					3.5	
	34					2.5	
	36		Fine, silty-sand with traces of clayey-sand and clay	Black	MST WET	HNU 9	
	38					65	
	40					25	
	42					5	
	44		Silty-clay with little fine to coarse sand	Dk. gray	MST	HNU 0.5	
	46		Fine silty-sand with traces of clay and clayey-sand	Dk. gray	MST	HNU 10	
	48					0.0	
	50		END OF BOREHOLE				

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	50.50'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-3	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'21.4"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'32.8"	DATE STARTED	:	05/05/00
ELEVATION	:	18.16	DATE COMPLETED	:	05/05/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
	2		Organic material	Brown	MST		
	4						
	6		Clay	Blue - green	MST		
	8			Olive - green			
	10		Sandy-silt	Golden brown	MST	HNU 0.0	
	12						
	14				WET		
	16						
	18						
	20						
	22						
	24						
	26		Sandy-silt	Black	WET	HNU 0.0	
	28						
	30						
	32						
	34						
	36						
	38						
	40						
	42						
	44						
	46						
	48						
	50		END OF BOREHOLE				

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	7.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-4	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'22.7"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.0"	DATE STARTED	:	04/26/00
ELEVATION	:	20.48	DATE COMPLETED	:	04/26/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
	1		Silty-sand and gravel	Brown	MST		
	2						
	3		Silty-sand and gravel	Brown	MST	HNU 0.0	
	4						
	5		Silty-sand w/ wood debris and brick fragments	Dk. gray	MST	HNU 0.0	
	6		Sandy-silt, oily	Black	WET		
	7		END OF BOREHOLE				

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	18.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-5	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'24.2"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'32.8"	DATE STARTED	:	05/04/00
ELEVATION	:	15.10	DATE COMPLETED	:	05/04/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Fine clayey-sand	Brown	MST	HNU 0.0	
	2						
	4						
	6						
			Fine sand with little to some silt and clay	Brown	MST	HNU 0.0	
	8						
	10						Water level at 10.5'
			Fine sand with little silt	Golden brown	MST WET	HNU 0.0	
	12						
	14						
	16						
	18		END OF BOREHOLE				

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-6	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'22.0"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.0"	DATE STARTED	:	04/26/00
ELEVATION	:	19.27	DATE COMPLETED	:	04/26/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Fine sand	Orange brown	MST		
	2						
	4						
			Fine sand with traces of silt	Orange	MST	HNU 0.0	
	6						Water level at 6.2'
			Fine sand with traces to little silt	Orange	MST WET	HNU 0.0	
	8						
						HNU 0.0	
	10						
				Orange brown	WET	HNU 0.0	
	12						
						HNU 0.0	
	14						
						HNU 0.0	
	16		END OF BOREHOLE				
	18						

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	18.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-7	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'24.2"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.5"	DATE STARTED	:	05/03/00
ELEVATION	:	14.06	DATE COMPLETED	:	05/03/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
	2		Sandy-silt topsoil	Brown	MST	HNU 0.0	
	4		Silt with little sand and fine gravel	Gray - brown	MST	HNU 0.0	Very dense soil.
	8		Sand with little silt	Brown	MST WET	HNU 0.0	
	10						
	12						
	14						
	16						
	18		END OF BOREHOLE				

J:\FORTMON2\D.O. 5_Site812\well logs\mw7.dwg

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-8	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'22.2"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.4"	DATE STARTED	:	05/01/00
ELEVATION	:	18.22	DATE COMPLETED	:	05/01/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Asphalt			HNU 0.0	
	2		Silt with little sand and fine gravel	Brown		HNU 0.0	
	4		Fine sand with traces of silt, mica-rich	Orange brown	MST	HNU 0.0	
	6				MST WET	HNU 0.0	
	8				WET	HNU 0.0	
	10					HNU 0.0	
	12					HNU 0.0	
	14		Little silt with traces of clayey-sand and fine gravel		WET	HNU 0.0	
	16		END OF BOREHOLE				
	18						

J:\FORTMON2\D.O. 5_Site812\well logs\mw8.dwg

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-9	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'21.1"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'34.1"	DATE STARTED	:	05/02/00
ELEVATION	:	16.07	DATE COMPLETED	:	05/02/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Asphalt			HNU 0.0	
	2		Silt	Brown	MST	HNU 0.0	
	4		Fine sand with little silt	Olive - green	MST	HNU 0.0	
	6			Brown	MST WET	HNU 0.0	
				Orange brown	WET	HNU 0.0	
	8						
	10						
	12						
	14						
	16		END OF BOREHOLE				
	18						

J:\FORTMON2\D.O. 5_Site812\well logs\mw9.dwg

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-10	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'20.3"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'34.4"	DATE STARTED	:	05/03/00
ELEVATION	:	15.51	DATE COMPLETED	:	05/03/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Asphalt		MST	HNU 0.0	
	2		Fine sand	Brown	MST	HNU 0.0	
	4		Fine sand with little silt	Olive - green	MST	HNU 0.0	
	6		Silt with traces of sand	Olive - green	MST	HNU 0.0	
	8		Fine clayey-sand	Olive - green	MST WET	HNU 0.0	
	10		Fine sand with little silt	Brown	WET	HNU 0.0	
	12						
	14						
	16		END OF BOREHOLE				
	18						

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	15.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-11	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'18.9"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'33.9"	DATE STARTED	:	05/02/00
ELEVATION	:	15.11	DATE COMPLETED	:	05/02/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Organic topsoil, sandy with silt and fine gravel		MST	HNU 0.0	
	2		Silt	Gray	MST	HNU 0.0	
	4						
			Fine silty-sand	Dk. gray	WET	HNU 0.0	
	6						
			Fine sand with little silt	Gray - brown	WET	HNU 0.0	
	8						
	10		Fine sand with traces of silt	Brown	WET	HNU 0.0	
	12						
	14						
			END OF BOREHOLE				
	16						
	18						

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	16.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-12	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'20.9"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'32.2"	DATE STARTED	:	05/03/00
ELEVATION	:	17.20	DATE COMPLETED	:	05/03/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Asphalt				
			Sand and fine gravel	Black	MST	HNU 0.0	
	2		Silty sand	Dk. gray	WET	HNU 0.0	
	4		Fine sandy-clay	Olive - green	WET	HNU 0.0	
	6		Fine sand with little to some silt	Golden - brown	WET	HNU 0.0	
	8						
	10						
	12		Clayey, fine sand	Greenish blue	WET	HNU 0.0	
	14						
	16		END OF BOREHOLE				
	18						

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	19.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-13	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'25.7"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'31.6"	DATE STARTED	:	05/04/00
ELEVATION	:	25.24	DATE COMPLETED	:	05/04/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Asphalt				
			Silty-sand	Brown	MST	HNU 0.0	
	2		Clayey-sand	Brown	MST	HNU 0.0	
	4		Pea gravel				
	6		Sand with traces of silt	Brown	MST	HNU 0.0	
	8		Traces of fine rounded gravel	White & lt. brown	MST WET		
	10		Sand with silt	Olive brown to golden brown	MST WET WET		Water level at 10'
	12						
	14						
	16						
	18						
	20		END OF BOREHOLE				

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

PROJECT	:	FT. MONMOUTH	TOTAL DEPTH	:	15.00'
SITE NAME	:	SITE 812	LOGGER	:	DP
BORING I.D.	:	MW-14	DRILLING CO.	:	Inland Pollution Services
LONGITUDE	:	74 02'22.1"	DRILLING RIG	:	HSA
LATITUDE	:	40 18'34.2"	DATE STARTED	:	05/03/00
ELEVATION	:	17.52	DATE COMPLETED	:	05/03/00

ELEVATION	DEPTH	MATERIAL	CLASSIFICATION	COLOR	MOISTURE	FIELD INSTRUMENT READING	COMMENTS
			Asphalt				
			Silty-sand	Brown	MST	HNU 0.0	
	2		Clayey-sand	Brown	MST	HNU 0.0	
	4						
			Sand with traces of silt	Brown	MST WET	HNU 0.0	
	6						
			Sand with silt	Golden brown	WET	HNU 0.0	
	8						
	10						
	12						
	14						
			END OF BOREHOLE				
	16						

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

APPENDIX C

GROUNDWATER MONITORING WELL AND SOIL BORING LOGS

U.S. ARMY FORT MONMOUTH – DIRECTORATE OF PUBLIC WORKS
Borings B-0 thru B-162
September 1999 – February 2000

APPENDIX C

GROUNDWATER MONITORING WELL AND SOIL BORING LOGS

U.S. ARMY FORT MONMOUTH – DIRECTORATE OF PUBLIC WORKS
Borings B-0 thru B-162
September 1999 – February 2000

BORING LOGS

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

LOG OF BORING B- # 0

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-17-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24						
30						
36			CLAYEY SILT, fine - olive green w/ some orange silt lens			
42			SILTY CLAY, fine - olive green			
48						
54						
60			SILTY SAND, fine - olive green			
66	5023.10	1		1320	0.07 PPM	1.31 PPM
72						
78			SAND, fine - orange w/ some small rnd. gravels			
84						
90			GROUNDWATER SAMPLE @ 7.5 - 12.5'			
96						
102						
108						
114						
120	5023.24	2		1502	----------	----------
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B000.BOR

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

LOG OF BORING B-1

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 9-23-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown w/ small md. gravels			
12						
18			CLAYEY SILT, and sand - fine / med. - olive green / brown			
24			SILTY SAND, fine - olive green / brown			
30						
36			SAND, + silt - fine - olive green / brown			
42						
48						
54						
60			SILT - tan / lt. brown			
66						
72			CLAYEY SAND, fine - orange			
78			SILTY CLAY, + sand - fine - lt. olive green / gray / orange w/ some mottling			
84			SAND, fine - orange w/ some silt			
90						
96						
102	4810.03	1		1000	0 PPM	0 PPM
108						
114						
120						
126						
132						
138						
144						

04-24-2000 X:\WTECH5\812\812-B001.BOR

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

LOG OF BORING B-1A

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-13-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24						
30			SAND, fine / coarse - w/ some sm. / med. rnd. gravels			
36						
42						
48						
54						
60						
66						
72	5101.10	1		1500	0 PPM	4 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.13	2		1518	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B01A.BOR

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

LOG OF BORING B-2

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 9-23-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown w/ small rnd. gravels			
12						
18			CLAYEY SILT, and sand - fine / med. - olive green / brown			
24			SILTY SAND, fine - olive green / brown			
30						
36			SAND, + silt - fine - olive green / brown			
42						
48						
54						
60			SILT - tan / lt. brown			
66						
72			CLAYEY SAND, fine - orange			
78			SILTY CLAY, + sand - fine - lt. olive green / gray / orange w/ some mottling			
84			SAND, fine - orange w/ some silt			
90						
96						
102						
108	4810.04	1		1055	0 PPM	0 PPM
114						
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B002.BOR

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

LOG OF BORING B-2A

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-13-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
30						
36						
42						
48						
54						
60						
66						
72	5101.03	1		1046	0.5 PPM	2.3 PPM
78						
84						
90			SAND, fine / med. - lt. olive green			
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.14	2		1516	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B02A.BOR

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

LOG OF BORING B-3

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 9-23-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, med. / fine - w/ some coarse - orange + small sub-angular gravels			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66			SAND, fine - w/ some silt - orange			
72						
78						
84						
90						
96						
102						
108	4810.05	1		1148	0 PPM	0 PPM
114						
120			SAND, fine - orange			
126						
132						
138						
144						

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

LOG OF BORING B-3A

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.12	1		1436	0 PPM	0 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.13	2		1504	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B03A.BOR

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

LOG OF BORING B-4

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 9-23-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			Mixed sands and asphalt material			
12			SILTY SAND, fine - olive green w/ some small rnd. gravels +some cement debris @ 48"			
18						
24						
30						
36						
42						
48	4810.06	1	SAND, fine / med. - w/ some silt - olive green + some cement debris throughout	1342	100 PPM	150 PPM
54						
60						
66						
72						
78						
84						
90			SAND, fine / med. - olive green			
96			SAND, med. / fine - w/ some coarse - olive green / dk. olive green + some small rnd. and sub rnd. gravels			
102						
108	4810.07	2		1347	100 PPM	120 PPM
114						
120						
126	4810.08	3	SAND, fine / med. - orange	1355	----------	----------
132						
138			GROUNDWATER SAMPLE @ 9 - 12'			
144						

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

LOG OF BORING B-4A

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-12-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.03	1	SAND, fine / med. - lt. olive green	1015	0 PPM	2.12 PPM
78						
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.14	2		1448	----------	----------
168						
174						
180						
186						
192						

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

LOG OF BORING B-5

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 9-23-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			Mixed sands - olive green / brown - + small rnd. gravels w/ some cement MATL. throughout			
12						
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78						
84			SILTY SAND, fine - black stained w/ some wood debris. CEMENT PAD @ 8' H2O @ 92 - 96" GROUNDWATER SAMPLE @ 96"			
90	4810.09	1		1450	1000 PPM	1500 PPM
96	4810.10	2		1500	———	———

04-24-2000 X:\MTECH5\812\B005.BOR

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

LOG OF BORING B-5 RESAMPLE

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-9-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0–6	4998.03	1	TURF Mixed sands - olive green / brown - + small rnd. gravels w/ some cement MATL. throughout	1430	4.33 PPM	5.25 PPM
12–18	4998.04	2		1433	3.09 PPM	4.12 PPM
24–30	4998.05	3		1436	4.09 PPM	5.23 PPM
36–42	4998.06	4		1438	5.07 PPM	6.23 PPM
48–54	4998.07	5		1441	5.89 PPM	6.73 PPM
60–66	4998.08	6		1445	39.01 PPM	41.07 PPM
72–78	4998.09	7		1448	42.01 PPM	60.02 PPM
84–90			SILTY SAND, fine - black stained			
96–102			GROUNDWATER SAMPLE @ 7 - 12'			
108–114	4998.10	8		1350	———	———
120–126			THIS BORING DRILLED OFF OF THE TANK PAD			
132–138						
144						

04-24-2000 X:\MTECH5\812\B005RE~1.BOR

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

LOG OF BORING B-5A

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-11-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138	5090.05	1		1405	1.03 PPM	0.02 PPM
144						
150						
156						
162	5090.14	2		1438	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B05A.BOR

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

LOG OF BORING B-6

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-11-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.07	1		1425	1.23 PPM	0.01 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.23	2		1456	----------	----------
168						
174						
180						
186						
192						

04-19-2000 X:\MTECH5\812\B006.BOR

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

LOG OF BORING B-7

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-7-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
24						
30						
36						
42						
48						
54						
60						
66	5078.07	1		1405	1.9 PPM	1.4 PPM
72						
78						
84						
90			SAND, fine / med. - lt. olive green			
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.15	2		1500	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B007.BOR

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

LOG OF BORING B-8

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-7-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
24						
30						
36						
42						
48						
54						
60						
66	5078.06	1		1319	0 PPM	0 PPM
72						
78						
84						
90			SAND, fine / med. - lt. olive green			
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.16	2		1450	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B008.BOR

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

LOG OF BORING B-9

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-13-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24						
30			SAND, fine / coarse - w/ some sm. / med. rnd. gravels			
36						
42						
48						
54						
60						
66						
72	5101.08	1		1436	0 PPM	2 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.15	2		1514	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B009.BOR

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

LOG OF BORING B-10

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-13-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
30						
36						
42						
48						
54						
60						
66						
72	5101.05	1		1133	0 PPM	2.7 PPM
78						
84						
90			SAND, fine / med. - lt. olive green			
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.22	2		1512	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B010.BOR

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

LOG OF BORING B-11

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.10	1		1353	0 PPM	2.7 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.15	2		1502	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B011.BOR

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

LOG OF BORING B-12

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.05.	1	SAND, fine / med. - lt. olive green	1100	0 PPM	2.0 PPM
78						
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.16	2		1450	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B012.BOR

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

LOG OF BORING B-13

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-11-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. md. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.11	1		1505	1.03 PPM	0.03 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.20	2		1450	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B013.BOR

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

LOG OF BORING B-14

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-11-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.08	1		1435	1.02 PPM	0.10 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.21	2		1452	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B014.BOR

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

LOG OF BORING B-15

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-7-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66	5078.08	1		1433	0 PPM	0 PPM
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.17	2		1520	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B015.BOR

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

LOG OF BORING B-16

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-7-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
24						
30						
36						
42						
48						
54						
60						
66	5078.05	1		1147	0.68 PPM	0.48 PPM
72						
78						
84						
90			SAND, fine / med. - lt. olive green			
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.18	2		1505	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B016.BOR

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

LOG OF BORING B-17

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-13-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12, 18, 24						
30			SAND, fine / coarse - w/ some sm. / med. rnd. gravels			
36, 42, 48, 54, 60, 66, 72						
78	5101.12	1		1510	0 PPM	23 PPM
84			SAND, fine / med. - lt. olive green			
90, 96, 102, 108, 114, 120, 126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138, 144, 150, 156						
162	5101.16	2		1510	----------	----------
168, 174, 180, 186, 192						

04-13-2000 X:\MTECH5\812\B017.BOR

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

LOG OF BORING B-18

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-13-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12, 18						
24			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
30, 36, 42, 48, 54, 60, 66, 72, 78, 84	5101.07	1		1324	0.1 PPM	4.6 PPM
90			SAND, fine / med. - lt. olive green			
96, 102, 108, 114, 120, 126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138, 144, 150, 156, 162, 168, 174, 180, 186, 192	5101.17	2		1508	----------	----------

04-13-2000 X:\MTECH5\812\B018.BOR

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

LOG OF BORING B-19

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.11	1		1359	0 PPM	2.7 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.17	2		1500	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B019.BOR

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

LOG OF BORING B-20

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72			SAND, fine / med. - lt. olive green			
78	5097.07	1		1305	0 PPM	2.9 PPM
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.18	2		1452	----------	----------
168						
174						
180						
186						
192						

04-19-2000 X:\MTECH5\812\B020.BOR

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

LOG OF BORING B-21

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-11-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138	5090.04	1		1355	2.02 PPM	0.07 PPM
144						
150						
156						
162	5090.16	2		1442	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B021.BOR

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

LOG OF BORING B-22

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-11-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. md. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.10	1		1445	1.22 PPM	0.10 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.22	2		1454	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B022.BOR

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

LOG OF BORING B-23

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-10-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126	5086.02	1		1115	1.9 PPM	1.0 PPM
132			GROUNDWATER SAMPLE @ 11 - 16' GW SAMPLE TAKEN ON 1-11-00			
138						
144						
150						
156						
162	5090.15	2		1440	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B023.BOR

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

LOG OF BORING B-24

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-7-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. md. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66	5078.09	1		1445	0 PPM	0 PPM
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.19	2		1510	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\BO24.BOR

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

LOG OF BORING B-25

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-13-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12, 18, 24						
30			SAND, fine / coarse - w/ some sm. / med. rnd. gravels			
36, 42, 48, 54, 60, 66, 72						
78	5101.09	1		1445	0 PPM	4 PPM
			SAND, fine / med. - lt. olive green			
84, 90, 96, 102, 108, 114, 120, 126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138, 144, 150, 156						
162	5101.18	2		1506	----------	----------
168, 174, 180, 186, 192						

04-13-2000 X:\MTECH5\812\B025.BOR

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

LOG OF BORING B-26

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-13-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
30						
36						
42						
48						
54						
60						
66						
72	5101.06	1		1315	0 PPM	3.0 PPM
78						
84						
90			SAND, fine / med. - lt. olive green			
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.19	2		1504		
168						
174						
180						
186						
192						

04-19-2000 X:\MTECH5\812\B026.BOR

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

LOG OF BORING B-27

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.08	1		1310	0 PPM	3.1 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.19	2		1458	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B027.BOR

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

LOG OF BORING B-28

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.06	1	SAND, fine / med. - lt. olive green	1104	0 PPM	2.2 PPM
78						
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.20	2		1459	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B028.BOR

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

LOG OF BORING B-29

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-11-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138	5090.03	1		1348	1.3 PPM	10 PPM
144						
150						
156						
162	5090.13	2		1436	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\BO29.BOR

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

LOG OF BORING B-30

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-11-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.09	1		1440	1.11 PPM	0.09 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.24	2		1458	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\B12\B030.BOR

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

LOG OF BORING B-31

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-10-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126	5086.03	1		1320	0.61 PPM	0.91 PPM
132			GROUNDWATER SAMPLE @ 11 - 16' GW SAMPLE TAKEN ON 1-11-00			
138						
144						
150						
156						
162	5090.17	2		1444	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B031.BOR

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

LOG OF BORING B-32

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-7-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66	5078.10	1		1459	0 PPM	0 PPM
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.20	2		1515	----------	----------
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B032.BOR

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

LOG OF BORING B-33

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-13-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24						
30			SAND, fine / coarse - w/ some sm. / med. rnd. gravels			
36						
42						
48						
54						
60						
66						
72	5101.11	1		1510	0 PPM	0 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.20	2		1500		
168						
174						
180						
186						
192						

04-24-2000 X:\MTECH5\812\B033.BOR

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

LOG OF BORING B-34

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-13-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18						
24			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
30						
36						
42						
48						
54						
60						
66						
72	5101.04	1		1050	0.13 PPM	4.1 PPM
78						
84						
90			SAND, fine / med. - lt. olive green			
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5101.21	2		1502	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\B12\B034.BOR

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

LOG OF BORING B-35

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-12-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12						
18			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
24						
30						
36						
42						
48						
54						
60						
66						
72	5097.09	1		1349	0 PPM	23 PPM
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.21	2		1456	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B035.BOR

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

LOG OF BORING B-36

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-12-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange and some silt			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72			SAND, fine / med. - lt. olive green			
78	5097.04	1		1019	0 PPM	3.37 PPM
84						
90						
96						
102						
108						
114						
120						
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5097.22	2		1456	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B036.BOR

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

LOG OF BORING B-37

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-11-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.12	1		1511	1.63 PPM	0.93 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.19	2		1448	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B037.BOR

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

LOG OF BORING B-38

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-11-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120	5090.06	1		1415	1.92 PPM	0.02 PPM
126						
132			GROUNDWATER SAMPLE @ 11 - 16'			
138						
144						
150						
156						
162	5090.25	2		1500	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B038.BOR

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

LOG OF BORING B-39

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-10-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. rnd. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66						
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96						
102						
108						
114						
120						
126	5086.04	1		1331	1.3 PPM	10 PPM
132			GROUNDWATER SAMPLE @ 11 - 16' GW SAMPLE TAKEN ON 1-11-00			
138						
144						
150						
156						
162	5090.18	2		1446	----------	----------
168						
174						
180						
186						
192						

04-13-2000 X:\MTECH5\812\B039.BOR

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

LOG OF BORING B-40

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-7-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12			SAND, fine / coarse - w/ some sm. / med. md. gravels - orange			
18						
24						
30						
36						
42						
48						
54						
60						
66	5078.14	1		1503	0 PPM	0 PPM
72						
78			SAND, fine / med. - lt. olive green			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5078.22	2		1525	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B040.BOR

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

LOG OF BORING B- 41

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-15-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36						
42			SILTY CLAY, fine - olive green			
48						
54						
60	5016.16	1	SILTY SAND, fine - olive green	1424	0.02 PPM	3.30 PPM
66						
72						
78			SAND, fine - orange w/ some smal l/ med. rnd. gravels			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.30-	2		1415	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B041.BOR

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

LOG OF BORING B- 42

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-15-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36						
42			SILTY CLAY, fine - olive green			
48						
54						
60	5016.15	1	SILTY SAND, fine - olive green	1315	0.46 PPM	4.40 PPM
66						
72						
78			SAND, fine - orange w/ some smal l/ med. rnd. gravels			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.29	2		1215	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B042.BOR

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

LOG OF BORING B-43

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-10-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
30			SILTY SAND, fine - olive green / brown			
36						
42			SAND, med. / coarse - tan / orange			
48						
54						
60						
66						
72						
78	5003.03	1	SAND, fine - orange	1000	4.36 PPM	2.12 PPM
84						
90						
96			GROUNDWATER SAMPLE @ 7 - 12'			
102						
108						
114	5003.05	2		1100	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B043.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING B-44

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-10-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
30			SILTY SAND, fine - olive green / brown			
36						
42			SAND, med. / coarse - tan / orange			
48						
54						
60						
66						
72						
78	5003.04	1	SAND, fine - orange	1045	3.86 PPM	0.08 PPM
84						
90						
96			GROUNDWATER SAMPLE @ 7 - 12'			
102						
108						
114	5003.06	2		1120	----------	----------
120						
126						
132						
138						
144						
150						

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING B-45

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-13-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
30			SILTY SAND, fine - olive green / brown			
36						
42			SAND, med. / coarse - tan / orange			
48						
54						
60						
66	5012.03	1		1059	1.77 PPM	26.4 PPM
72						
78			SAND, fine - orange			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.21	2		1430	----------	----------
132						
138						
144						
150						
156						

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING B-46

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-13-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
24						
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48			SAND, med. / coarse - tan / orange			
54						
60	5012.04	1		1109	2.01 PPM	42.6 PPM
66	5012.05	2		1115	1.97 PPM	16.9 PPM
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.22	3		1435	----------	----------
132						
138						
144						
150						
156						

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SELFM-PW-EV

LOG OF BORING B-47

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-13-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
	5012.09	1		1359	2.02 PPM	243 PPM
24						
30			SILTY SAND, fine / med. - - olive green			
	5012.10	2		1402	2.57 PPM	32.57 PPM
36						
	5012.11	3		1410	3.57 PPM	309 PPM
42						
48						
54			SAND, med. / coarse - tan / orange			
	5012.12	4		1417	0.80 PPM	52.0 PPM
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
	5012.13	5		1422	0.09 PPM	12.0 PPM
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.23	6		1440	----------	----------
132						
138						
144						
150						
156						

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LOG OF BORING B-48

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-15-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12	5016.03	1		0959	0.24 PPM	132 PPM
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
	5016.04	2		1007	0.11 PPM	92 PPM
24	5016.05	3		1014	0.46 PPM	419 PPM
30			SILTY SAND, fine / med. - - olive green			
36	5016.06	4		1024	21.9 PPM	482 PPM
42	5016.07	5		1031	526 PPM	4152 PPM
48						
54	5016.08	6	SAND, med. / coarse - tan / orange	1034	31.2 PPM	957 PPM
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102			GW Taken on 12/16/99.			
108						
114						
120						
126	5019.18	7		0950	----------	----------
132						
138						
144						
150						
156						

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING B-49

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-15-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6	5016.17	1	SAND, fine / med. - brown	1434	0 PPM	34 PPM
12	5016.18	2		1437	0 PPM	57 PPM
18	5016.19	3	SAND, med. / coarse - orange / brown w/ some small md. gravels	1439	0.11 PPM	147 PPM
24	5016.20	4		1440	0.02 PPM	84 PPM
30	5016.21	5	SILTY SAND, fine / med. - - olive green	1442	54 PPM	713 PPM
36	5016.22	6		1443	28 PPM	1260 PPM
42	5016.23	7		1445	0.6 PPM	560 PPM
48	5016.24	8		1447	32 PPM	632 PPM
54	5016.25	9	SAND, med. / coarse - tan / orange	1448	40 PPM	708 PPM
60						
66						
72			SAND, fine - orange w/ some small md. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.31	10		1514	———	———
132						
138						
144						
150						
156						

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LOG OF BORING B-50

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-16-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
24	5019.03	1		1040	92 PPM	520 PPM
30	5019.04	2	SILTY SAND, fine / med. - - olive green	1044	102 PPM	363 PPM
36	5019.05	3		1050	72 PPM	192 PPM
42	5019.06	4		1052	45 PPM	92 PPM
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5019.20	5		1116	----------	----------
132						
138						
144						
150						
156						

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LOG OF BORING B-51

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-17-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
	5023.03	1		0934	0.59 PPM	308 PPM
12	5023.04	2		0938	2.59 PPM	814 PPM
18	5023.05	3	SAND, med. / coarse - orange / brown w/ some small rnd. gravels	0941	1.67 PPM	1178 PPM
24	5023.06	4		0950	0.55 PPM	1410 PPM
30			SILTY SAND, fine / med. - - olive green			
	5023.07	5		0954	0.21 PPM	1714 PPM
36	5023.08	6		0956	0.58 PPM	422 PPM
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72						
78			SAND, fine - orange w/ some small rnd. gravels			
84						
90			GROUNDWATER SAMPLE @ 8 - 13'			
96						
102						
108						
114						
120	5023.21	7		1450	----------	----------
126						
132						
138						
144						
150						

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LOG OF BORING B-52

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-17-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18	5023.17	1	SAND, med. / coarse - orange / brown w/ some small rnd. gravels	1459	1.11 PPM	772 PPM
24	5023.18	2		1505	1.59 PPM	1564 PPM
30	5023.19	3	SILTY SAND, fine / med. - - olive green	1510	1.07 PPM	565 PPM
36						
42						
48						
54			SAND, med. / coarse - tan / orange			
60	5023.20	4		1515	0.03 PPM	2502 PPM
66						
72						
78			SAND, fine - orange w/ some small rnd. gravels			
84						
90			GROUNDWATER SAMPLE @ 7.5 - 12.5'			
96						
102						
108						
114						
120	5023.25	5		1507	----------	----------
126						
132						
138						
144						
150						

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LOG OF BORING B-53

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-20-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
24			SILTY SAND, fine / med. - - olive green			
30	5036.03	1		1045	0.01 PPM	536 PPM
36						
42						
48			SAND, med. / coarse - tan / orange			
54	5036.04	2		1046	0.02 PPM	136 PPM
60	5036.05	3		1048	0.01 PPM	637 PPM
66	5036.06	4		1053	0.29 PPM	804 PPM
72	5036.07	5		1055	0.44 PPM	1158 PPM
78	5036.08	6		1102	0.74 PPM	178 PPM
84			SAND, fine - orange w/ some small rnd. gravels			
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108			GW Taken 12/21/99.			
114						
120						
126	5041.39	7		1422	----------	----------
132						
138						
144						
150						
156						

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LOG OF BORING B-54

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-20-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12	5036.21	1		1340	0.09 PPM	170 PPM
18	5036.22	2	SAND, med. / coarse - orange / brown w/ some small rnd. gravels	1342	0 PPM	931 PPM
24	5036.23	3	SILTY SAND, fine / med. - - olive green	1343	0 PPM	332 PPM
30	5036.24	4		1347	0 PPM	171 PPM
36	5036.25	5		1350	0.38 PPM	1114 PPM
42	5036.26	6		1351	0 PPM	2709 PPM
48	5036.27	7	SAND, med. / coarse - tan / orange	1353	0 PPM	1049 PPM
54	5036.28	8		1355	0 PPM	803 PPM
60	5036.29	9		1359	0 PPM	415 PPM
66						
72						
78						
84			SAND, fine - orange w/ some small rnd. gravels			
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102			GW Taken 12/21/99.			
108						
114						
120						
126	5041.40	10		1430	----------	----------
132						
138						
144						
150						
156						

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LOG OF BORING B-55

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-21-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
	5041.07	1		1103	0 PPM	253 PPM
24	5041.08	2	SILTY SAND, fine / med. - - olive green	1110	0 PPM	104 PPM
30	5041.09	3		1111	0 PPM	591 PPM
36						
42						
48			SAND, med. / coarse - tan / orange			
	5041.10	4		1117	0 PPM	640 PPM
54	5041.11	5		1119	0 PPM	410 PPM
60						
66						
72						
78						
84			SAND, fine - orange w/ some small rnd. gravels			
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5041.41	9		1438		
132						
138						
144						
150						
156						

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LOG OF BORING B-56

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-3-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
24			SILTY SAND, fine / med. - - olive green			
30	5059.06	1		1320	0 PPM	1606 PPM
36						
42						
48			SAND, med. / coarse - tan / orange			
54						
60	5059.07	2	SAND, fine - orange w/ some small rnd. gravels	1321	0 PPM	1340 PPM
66						
72			GROUNDWATER SAMPLE @ 6 - 11'			
78						
84						
90						
96						
102	5059.16	3		1440	----------	----------
108						
114						
120						
126						
132						

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LOG OF BORING B- 57

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18	5065.06	1		1057	6.12 PPM	23 PPM
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54						
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72	5065.07	2		1059	1.3 PPM	2273 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.25	3		1450	----------	----------
120						
126						
132						
138						
144						
150						

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

LOG OF BORING B- 58

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24	5065.14	1		1314	0.7 PPM	384 PPM
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54						
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72	5065.15	2		1316	0.54 PPM	192 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.26	3		1445	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B058.BOR

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

LOG OF BORING B-59

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-13-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			SAND, med. / coarse - orange and small rnd. gravels			
18						
24						
30			SILTY SAND, fine / med. - - olive green			
36						
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72	5012.14	1	SAND, fine - orange w/ some small rnd. gravels	1438	0.23 PPM	7.24 PPM
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.24	2		1445	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B059.BOR

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

LOG OF BORING B-60

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-15-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36			SILTY CLAY, fine - olive green			
42						
48						
54			SILTY SAND, fine - olive green			
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78	5016.13	1		1302	0.98 PPM	2.85 PPM
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.34	2		1455	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B060.BOR

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

LOG OF BORING B- 61

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-16-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6	5019.10	1	SANDY SILT, fine - olive green	1436	180 PPM	390 PPM
12						
18						
24	5019.11	2	CLAYEY SILT, fine - olive green w/ some orange silt lens	1438	11 PPM	38 PPM
30	5019.12	3		1441	1130 PPM	786 PPM
36	5019.13	4	SILTY CLAY, fine - olive green	1443	1930 PPM	1418 PPM
42	5019.14	5		1450	1637 PPM	1340 PPM
48						
54			SILTY SAND, fine - olive green			
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5019.19	6		1445	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B061.BOR

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

LOG OF BORING B- 62

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-17-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24						
30			CLAYEY SILT, fine - olive green w/ some orange silt lens			
			SILTY CLAY, fine - olive green			
36						
42						
48			SILTY SAND, fine - olive green			
54						
60	5023.09	1		1036	0.72 PPM	3.52 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 7.5 - 12.5'			
102						
108						
114						
120	5023.22	2		1456	----------	----------
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B062.BOR

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

LOG OF BORING B- 63

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-17-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18	5023.12	1		1409	3.36 PPM	302 PPM
24	5023.13	2		1412	1.20 PPM	337 PPM
30			CLAYEY SILT, fine - olive green w/ some orange silt lens			
36	5023.14	3	SILTY CLAY, fine - olive green	1415	323 PPM	114 PPM
42						
48			SILTY SAND, fine - olive green			
54	5023.15	4		1449	192 PPM	384 PPM
60	5023.16	5		1454	2.69 PPM	112 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 7.5 - 12.5'			
102						
108						
114						
120	5023.26	6		1510	----------	----------
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B063.BOR

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

LOG OF BORING B- 64

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-20-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0	5036.11	1	ASPHALT	1124	0.54 PPM	354 PPM
6	5036.12	2	SANDY SILT, fine - olive green	1126	0.60 PPM	431 PPM
12	5036.13	3		1128	0.38 PPM	662 PPM
18	5036.14	4		1131	0.20 PPM	140 PPM
24	5036.15	5		1132	15.22 PPM	60 PPM
30	5036.16	6	CLAYEY SILT, fine - olive green w/ some orange silt lens	1136	53 PPM	27 PPM
36	5036.17	7	SILTY CLAY, fine - olive green	1145	0.20 PPM	439 PPM
42	5036.18	8		1147	0.01 PPM	684 PPM
48	5036.19	9	SILTY SAND, fine - olive green	1150	0.02 PPM	912 PPM
54						
60						
66						
72						
78			SAND, fine - orange w/ some small rnd. gravels			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5036.32	10		1135	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\B12\B064.BOR

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

LOG OF BORING B- 65

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-21-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12	5041.12	1		1140	11.7 PPM	402 PPM
18	5041.13	2		1141	2.73 PPM	521 PPM
24	5041.14	3		1145	5.06 PPM	1022 PPM
30	5041.15	4	CLAYEY SILT, fine - olive green w/ some orange silt lens	1150	0 PPM	394 PPM
36	5041.16	5		1156	0 PPM	1239 PPM
42	5041.17	6	SILTY CLAY, fine - olive green	1157	0 PPM	3364 PPM
48						
54						
60			SILTY SAND, fine - olive green			
66						
72						
78						
84			SAND, fine - orange w/ some small md. gravels			
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5041.35	9		1122		
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH\5\812\B065.BOR

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

LOG OF BORING B- 66

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-21-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18	5041.18	1		1309	0.16 PPM	682 PPM
24	5041.19	2	CLAYEY SILT, fine - olive green w/ some orange silt lens	1313	0 PPM	2681 PPM
30	5041.20	3		1314	0.39 PPM	1012 PPM
36	5041.21	4	SILTY CLAY, fine - olive green	1315	6.23 PPM	1014 PPM
42	5041.22	5		1327	0.14 PPM	2944 PPM
48	5041.23	6		1330	0 PPM	2189 PPM
54						
60			SILTY SAND, fine - olive green			
66						
72						
78						
84			SAND, fine - orange w/ some small rnd. gravels GROUNDWATER SAMPLE @ 72 - 132' GW SAMPLE TAKEN ON 1-28-00			
90						
96						
102	5125.01	9		0950	----------	----------
108						
114						
120						
126						
132						

04-19-2000 X:\MTECH\5\812\B066.BOR

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

LOG OF BORING B- 67

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-21-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18	5041.28	1		1449	0 PPM	412 PPM
24	5041.29	2	CLAYEY SILT, fine - olive green w/ some orange silt lens	1452	0 PPM	1269 PPM
30	5041.30	3		1457	0 PPM	2010 PM
36			SILTY CLAY, fine - olive green			
42						
48						
54						
60			SILTY SAND, fine - olive green			
66						
72						
78						
84			SAND, fine - orange w/ some small rnd. gravels			
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5041.42	7		1445	———	———
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B067.BOR

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

LOG OF BORING B- 68

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-3-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36	5059.14	1		1434	0 PPM	447 PPM
42			SILTY CLAY, fine / med. - - olive green			
48						
54			SAND, med. / coarse - tan / orange			
60	5059.15	2		1440	0 PPM	1336 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72			GROUNDWATER SAMPLE @ 6 - 11'			
78						
84						
90						
96						
102	5059.17	3		1445	----------	----------
108						
114						
120						
126						
132						

04-13-2000 X:\MTECH5\812\B068.BOR

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

LOG OF BORING B- 69

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18	5065.03	1		1046	5.49 PPM	391 PPM
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54	5065.04	2		1049	2.63 PPM	1851 PPM
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78	5065.05	3	GROUNDWATER SAMPLE @ 6.5 - 12.5 '	1051	0.57 PPM	4189 PPM
84						
90						
96						
102						
108						
114	5065.27	4		1500	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B069.BOR

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

LOG OF BORING B- 70

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12	5065.16	1	CLAYEY SILT, fine / med. - orange and small rnd. gravels	1321	18.24 PPM	318 PPM
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54						
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72	5065.17	2		1324	0.8 PPM	1645 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.28	3		1445	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B070.BOR

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

LOG OF BORING B-71

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-13-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SILTY SAND, fine - brown			
12	5012.15	1	SAND, med. / coarse - orange and small rnd. gravels	1444	33.2 PPM	30.4 PPM
18						
24						
30			SILTY SAND, fine / med. - - olive green			
36						
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72	5012.16	2	SAND, fine - orange w/ some small rnd. gravels	1457	5.59 PPM	6.63 PPM
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.25	3		1450	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B071.BOR

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

LOG OF BORING B- 72

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-15-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36			SILTY CLAY, fine - olive green			
42						
48						
54			SILTY SAND, fine - olive green			
60	5016.14	1		1307	0.36 PPM	8.97 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.33	2		1505	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B072.BOR

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

LOG OF BORING B- 73

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-16-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36			SILTY CLAY, fine - olive green			
42						
48						
54			SILTY SAND, fine - olive green			
60						
66	5019.09	1		1424	0.01 PPM	1.03 PPM
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5019.15	2		1445	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B073.BOR

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

LOG OF BORING B- 74

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-17-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12, 18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30, 36						
42			SILTY CLAY, fine - olive green			
48						
54			SILTY SAND, fine - olive green			
60	5023.11	1		1343	197 PPM	2.63 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78, 84						
90			GROUNDWATER SAMPLE @ 7.5 - 12.5'			
96, 102, 108, 114						
120	5023.23	2		1459	----------	----------
126, 132, 138, 144						
150						
156						

04-13-2000 X:\MTECH5\812\B074.BOR

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

LOG OF BORING B- 75

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-20-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24						
30			CLAYEY SILT, fine - olive green w/ some orange silt lens			
36						
42			SILTY CLAY, fine - olive green			
48						
54						
60	5036.20	1	SILTY SAND, fine - olive green	1330	0.02 PPM	1.94 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5036.30	2		1115	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B075.BOR

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

LOG OF BORING B- 76

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-20-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24						
30			CLAYEY SILT, fine - olive green w/ some orange silt lens			
36						
42			SILTY CLAY, fine - olive green			
48						
54						
60	5036.10	1	SILTY SAND, fine - olive green	1115	0.1 PPM	2.29 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5036.31	2		1125	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B076.BOR

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

LOG OF BORING B- 77

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-21-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0		6	ASPHALT			
6			SANDY SILT, fine - olive green			
12	5041.03	1		0941	0 PPM	407 PPM
18	5041.04	2		0942	0.30 PPM	581 PPM
24	5041.05	3	CLAYEY SILT, fine - olive green w/ some orange silt lens	0955	5.56 PPM	323 PPM
30	5041.06	4		0956	0 PPM	310 PPM
36						
42			SILTY CLAY, fine - olive green			
48						
54			SILTY SAND, fine - olive green			
60						
66						
72						
78			SAND, fine - orange w/ some small md. gravels			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5041.34	7		1024	----------	----------
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B077.BOR

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

LOG OF BORING B- 78

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-21-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12	5041.24	1		1342	0 PPM	926 PPM
18	5041.25	2		1345	0 PPM	1067 PPM
24	5041.26	3	CLAYEY SILT, fine - olive green w/ some orange silt lens	1350	0 PPM	596 PPM
30	5041.27	4		1445	0 PPM	1848 PPM
36						
42			SILTY CLAY, fine - olive green			
48						
54			SILTY SAND, fine - olive green			
60						
66						
72						
78			SAND, fine - orange w/ some small rnd. gravels			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5041.36	10		1122		
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B078.BOR

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

LOG OF BORING B- 79

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-21-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18			CLAYEY SILT, fine - olive green w/ some orange silt lens			
24						
30	5041.31	1	SILTY CLAY, fine - olive green	1459	0 PPM	3098 PPM
36	5041.32	2		1502	0 PPM	4716 PPM
42	5041.33	3		1306	0 PPM	1470 PPM
48			SILTY SAND, fine - olive green			
54						
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5041.37	8		1440		
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B079.BOR

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

LOG OF BORING B- 80

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18			CLAYEY SILT, fine - olive green w/ some orange silt lens			
24	5065.22	1		1434	13 PPM	648 PPM
30			SILTY CLAY, fine - olive green			
36						
42						
48			SILTY SAND, fine - olive green			
54	5065.23	2		1439	0 PPM	3341 PPM
60						
66	5065.24	3		1441	0 PPM	2659 PPM
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5065.29	4		1505		
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B080.BOR

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

LOG OF BORING B- 81

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18			CLAYEY SILT, fine - olive green w/ some orange silt lens			
24						
30			SILTY CLAY, fine - olive green			
36						
42						
48			SILTY SAND, fine - olive green			
54						
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
	5065.18	1		1402	8.65 PPM	2465 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5065.30	2		1440	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B081.BOR

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

LOG OF BORING B- 82

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-7-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36						
42			SILTY CLAY, fine - olive green			
48						
54						
60			SILTY SAND, fine - olive green			
66						
72	5078.03	1	SAND, fine - orange w/ some small rnd. gravels	1043	2.9 PPM	38 PPM
78			GROUNDWATER SAMPLE @ 7 - 12'			
84						
90						
96						
102						
108						
114	5078.11	2		1455	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B082.BOR

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

LOG OF BORING B-83

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-16-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36			SILTY CLAY, fine - olive green			
42						
48			SILTY SAND, fine - olive green			
54						
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5019.17	1		0945	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B083.BOR

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

LOG OF BORING B- 84

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-15-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36			SILTY CLAY, fine - olive green			
42						
48						
54			SILTY SAND, fine - olive green			
60	5016.26	1		1449	0.01 PPM	3.59 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.32	2		1508	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B084.BOR

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

LOG OF BORING B- 85

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-16-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24						
30			CLAYEY SILT, fine - olive green w/ some orange silt lens			
36						
42			SILTY CLAY, fine - olive green			
48						
54			SILTY SAND, fine - olive green			
60	5019.07	1		1110	1.7 PPM	30 PPM
66						
72						
78			SAND, fine - orange w/ some small rnd. gravels			
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5019.16	2		1115	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B085.BOR

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

LOG OF BORING B- 86

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-20-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24						
30						
36			CLAYEY SILT, fine - olive green w/ some orange silt lens			
42			SILTY CLAY, fine - olive green			
48						
54						
60			SILTY SAND, fine - olive green			
66						
72						
78	5036.09	1	SAND, fine - orange w/ some small md. gravels	1109	0 PPM	3.14 PPM
84						
90						
96			GROUNDWATER SAMPLE @ 7.5 - 12.5' Groundwater Sample taken 12-21-99			
102						
108						
114						
120						
126	5041.38	2		1415	----------	----------
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\BO86.BOR

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

LOG OF BORING B-87

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-5-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48	5071.03	1	SAND, med. / coarse - lt. olive green	1050	0 PPM	1.82 PPM
54						
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5071.18	2		1500	----------	----------
120						
126						
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B087.BOR

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

LOG OF BORING B-88

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-5-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24						
30			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
36			SILTY SAND, fine / med. - - olive green			
42	5071.06	1		1308	0.67 PPM	3.55 PPM
48						
54			SAND, med. / coarse - lt. olive green			
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5071.19	2		1505	----------	----------
120						
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B088.BOR

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

LOG OF BORING B-89

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-7-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SANDY SILT, fine - olive green			
12						
18						
24			CLAYEY SILT, fine - olive green w/ some orange silt lens			
30						
36						
42			SILTY CLAY, fine - olive green			
48						
54						
60			SILTY SAND, fine - olive green			
	5078.04	1		1049	1.9 PPM	2.0 PPM
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 7 - 12'			
84						
90						
96						
102						
108						
114	5078.12	2		1505	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B089.BOR

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

LOG OF BORING B-90

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48						
54			SAND, med. / coarse - lt. olive green			
60						
66						
72	5076.15	1	SAND, fine - orange w/ some small rnd. gravels	1408	0.11 PPM	3.3 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 11.5'			
84						
90						
96						
102						
108	5076.22	2		1445	----------	----------
114						
120						
126						
132						
138						

04-13-2000 X:\MTECH5\812\B090.BOR

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

LOG OF BORING B-91

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48			SAND, med. / coarse - lt. olive green			
54						
60						
66						
72	5076.10	1	SAND, fine - orange w/ some small rnd. gravels	1145	0.42 PPM	393 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 11.5'			
84						
90						
96						
102						
108	5076.23	2		1440	----------	----------
114						
120						
126						
132						
138						

04-13-2000 X:\MTECH5\812\B091.BOR

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

LOG OF BORING B-92

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48			SAND, med. / coarse - lt. olive green			
54						
60						
66						
72	5076.07	1	SAND, fine - orange w/ some small rnd. gravels	1110	0.70 PPM	3.07 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5076.24	2		1435	----------	----------
120						
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B092.BOR

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

LOG OF BORING B-93

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-6-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18	5076.08	1		1115	0.42 PPM	393 PPM
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48			SAND, med. / coarse - lt. olive green			
54						
60						
66						
72	5076.09	2	SAND, fine - orange w/ some small rnd. gravels	1117	0 PPM	3.18 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5076.25	3		1430	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B093.BOR

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

LOG OF BORING B-94

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-6-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48						
54			SAND, med. / coarse - lt. olive green			
60						
66						
72	5076.03	1	SAND, fine - orange w/ some small rnd. gravels	1024	0.71 PPM	2.31 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5076.26	2		1425	----------	----------
120						
126						
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B094.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING B-95

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48						
54			SAND, med. / coarse - lt. olive green			
60						
66						
72	5076.04	1	SAND, fine - orange w/ some small rnd. gravels	1029	0.22 PPM	3.86 PPM
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5076.27	2		1420	----------	----------
120						
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B095.BOR

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

LOG OF BORING B-96

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48			SAND, med. / coarse - lt. olive green			
54						
60						
66	5071.17	1		1356	0 PPM	3.03 PPM
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5071.20	2		1520	----------	----------
120						
126						
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B096.BOR

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FORT MONMOUTH
SELFM-PW-EV

LOG OF BORING B-97

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42	5071.15	1		1353	0 PPM	2.36 PPM
48						
54			SAND, med. / coarse - lt. olive green			
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5071.21	2		1515	----------	----------
120						
126						
132						
138						
144						
150						
156						

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

LOG OF BORING B-98

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			ASPHALT			
6			SAND, fine / med. -orange / brown w/ some small rnd. gravels			
12						
18						
24			SAND, med. / coarse - orange / brown w/ some smal - med. / rnd. gravels			
30						
36			SILTY SAND, fine / med. - - olive green			
42						
48						
54			SAND, med. / coarse - lt. olive green			
60						
66	5071.16	1		1354	0 PPM	3.53 PPM
72			SAND, fine - orange w/ some small rnd. gravels			
78			GROUNDWATER SAMPLE @ 6.5 - 12.5'			
84						
90						
96						
102						
108						
114	5071.22	2		1510	----------	----------
120						
126						
132						
138						
144						
150						
156						

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

LOG OF BORING B-99

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-13-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SAND, fine / med. - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
24						
30			SILTY SAND, fine / med. - - olive green			
36						
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72			SAND, fine - orange w/ some small rnd. gravels			
78						
84	5012.06	1		1129	0.03 PPM	3.38 PPM
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.26	2		1427	----------	----------
132						
138						
144						
150						
156						

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

LOG OF BORING B-100

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-13-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12						
18			SAND, med. / coarse - orange / brown w/ some small rnd. gravels			
24						
30			SILTY SAND, fine / med. - - olive green			
36						
42						
48	5012.07	1		1140	65.7 PPM	17.79 PPM
54			SAND, med. / coarse - tan / orange			
60						
66						
72	5012.08	2	SAND, fine - orange w/ some small rnd. gravels	1147	8.07 PPM	5.01 PPM
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.27	3		1433	----------	----------
132						
138						
144						
150						
156						

04-19-2000 X:\MTECH5\812\B100.BOR

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

LOG OF BORING B-101

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-13-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30			SILTY CLAY, fine / med. - - olive green			
36						
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72	5012.17	1	SAND, fine - lt. olive green w/ some small rnd. gravels	1503	0.09 PPM	2.58 PPM
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.28	2		1442	----------	----------
132						
138						
144						
150						
156						

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

LOG OF BORING B-102

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-13-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30			SILTY CLAY, fine / med. - - olive green			
36						
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
66						
72	5012.18	1	SAND, fine - lt. olive green w/ some small rnd. gravels	1550	0.11 PPM	3.04 PPM
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.29	2		1450	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\B12\B102.BOR

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

LOG OF BORING B-103

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-13-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30			SILTY CLAY, fine / med. - - olive green			
36						
42						
48						
54	5012.19	1	SAND, med. / coarse - tan / orange	1521	0.57 PPM	4.79 PPM
60						
66						
72			SAND, fine - lt. olive green w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.30	2		1456	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B103.BOR

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

LOG OF BORING B-104

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-13-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30			SILTY CLAY, fine / med. - - olive green			
36						
42						
48						
54	5012.20	1	SAND, med. / coarse - tan / orange	1537	0.57 PPM	4.79 PPM
60						
66						
72			SAND, fine - lt. olive green w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5012.31	2		1459	----------	----------
132						
138						
144						
150						
156						

04-13-2000 X:\MTECH5\812\B104.BOR

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

LOG OF BORING B-105

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 12-15-99
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30			SILTY CLAY, fine / med. - - olive green			
36						
42						
48						
54	5016.10	1	SAND, med. / coarse - tan / orange	1043	0.01 PPM	4.21 PPM
60						
66						
72			SAND, fine - lt. olive green w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.27	2		0950	----------	----------
132						
138						
144						
150						
156						

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

LOG OF BORING B-106

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 12-15-99	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36	5016.11	1	SILTY CLAY, fine / med. - - olive green	1046	16 PPM	95 PPM
42						
48						
54						
60	5016.12	2	SAND, med. / coarse - tan / orange	1051	35 PPM	129 PPM
66						
72			SAND, fine - lt. olive green w/ some small rnd. gravels			
78						
84						
90						
96			GROUNDWATER SAMPLE @ 8 - 13'			
102						
108						
114						
120						
126	5016.28	3		1015	———	———
132						
138						
144						
150						
156						

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

LOG OF BORING B-107

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-3-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48						
54			SAND, med. / coarse - tan / orange			
60	5059.08	1		1324	0 PPM	2006 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72	5059.09	2	GROUNDWATER SAMPLE @ 6 - 11'	1326	0 PPM	608 PPM
78						
84						
90						
96						
102	5059.18	3		1433	----------	----------
108						
114						
120						
126						
132						

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

LOG OF BORING B-108

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-3-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36			SILTY CLAY, fine / med. - - olive green			
	5059.03	1		1304	0.04 PPM	2215 PPM
42						
48						
54			SAND, med. / coarse - tan / orange			
60						
	5059.04	2		1307	0.01 PPM	3170 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels	-		
72						
	5059.05	3		1311	0.01 PPM	593 PPM
78						
84			GROUNDWATER SAMPLE @ 7 - 11'			
90						
96						
102						
	5059.19	4		1436	----------	----------
108						
114						
120						
126						
132						

04-13-2000 X:\MTECH5\812\B108.BOR

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

LOG OF BORING B-109

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-3-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36	5059.10	1		1420	0 PPM	2748 PPM
42			SILTY CLAY, fine / med. - - olive green			
48						
54			SAND, med. / coarse - tan / orange			
60	5059.11	2		1424	0 PPM	2675 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72			GROUNDWATER SAMPLE @ 6 - 11'			
78						
84						
90						
96						
102	5059.20	3		1438	----------	----------
108						
114						
120						
126						
132						

04-13-2000 X:\MTECH5\812\B109.BOR

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

LOG OF BORING B-110

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-3-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30	5059.12	1		1430	0 PPM	2286 PPM
36						
42			SILTY CLAY, fine / med. - - olive green			
48						
54			SAND, med. / coarse - tan / orange			
60	5059.13	2		1432	0 PPM	760 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72			GROUNDWATER SAMPLE @ 6 - 11'			
78						
84						
90						
96						
102	5059.21	3		1452	----------	----------
108						
114						
120						
126						
132						

04-13-2000 X:\MTECH5\812\B110.BOR

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

LOG OF BORING B- 111

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54	5065.08	1		1104	0.7 PPM	384 PPM
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.31	2		1430	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B111.BOR

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

LOG OF BORING B- 112

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54						
60			SAND, med. / coarse - tan / orange			
	5065.09	1		1122	1.1 PPM	714 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.32	2		1436	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B112.BOR

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

LOG OF BORING B-113

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36	5065.10	1		1131	0 PPM	148 PPM
42						
48			SILTY CLAY, fine / med. - - olive green			
54						
60			SAND, med. / coarse - tan / orange			
	5065.11	2		1135	0 PPM	511 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.33	3		1440		
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B113.BOR

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

LOG OF BORING B- 114

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36	5065.12	1		1304	0.25 PPM	148 PPM
42						
48			SILTY CLAY, fine / med. - - olive green			
54						
60			SAND, med. / coarse - tan / orange			
66	5065.13	2	SAND, fine - lt. olive green w/ some small rnd. gravels	1311	1.29 PPM	717 PPM
72						
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.34	3		1442		
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B114.BOR

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

LOG OF BORING B- 115

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-4-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54	5065.19	1		1408	0 PPM	565 PPM
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.35	2		1448	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B115.BOR

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

LOG OF BORING B- 116

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-4-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30	5065.20	1		1414	3.8 PPM	372 PPM
36						
42						
48			SILTY CLAY, fine / med. - - olive green			
54	5065.21	2		1416	0.48 PPM	91 PPM
60			SAND, med. / coarse - tan / orange			
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78			GROUNDWATER SAMPLE @ 6.5 - 12.5 '			
84						
90						
96						
102						
108						
114	5065.36	3		1452	----------	----------
120						
126						
132						
138						
144						
150						

04-13-2000 X:\MTECH5\812\B116.BOR

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

LOG OF BORING B- 117

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-5-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24	5071.04	1		1054	4.09 PPM	74.28 PPM
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48	5071.05	2	SAND, med. / coarse - tan / orange	1056	0 PPM	3.55 PPM
54						
60						
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.23	3		1454		
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B117.BOR

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

LOG OF BORING B- 118

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-5-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36	5071.09	1	SILTY CLAY, fine / med. - - olive green	1318	0.24 PPM	478 PPM
42						
48			SAND, med. / coarse - tan / orange			
54						
60	5071.10	2	SAND, fine - lt. olive green w/ some small rnd. gravels	1324	0 PPM	3142 PPM
66						
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.24	3		1458	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B118.BOR

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

LOG OF BORING B- 119

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42	5071.07	1	SILTY CLAY, fine / med. - - olive green	1311	0 PPM	555 PPM
48			SAND, med. / coarse - tan / orange			
54						
60	5071.08	2		1315	0 PPM	1328 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.25	3		1504	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B119.BOR

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

LOG OF BORING B- 120

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36			SILTY CLAY, fine / med. - - olive green			
42						
48			SAND, med. / coarse - tan / orange			
54						
60	5071.11	1		1329	0 PPM	4.72 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.26	2		1506	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B120.BOR

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

LOG OF BORING B- 121

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48	5071.12	1	SAND, med. / coarse - tan / orange	1348	0.3 PPM	14 PPM
54						
60						
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.27	2		1510	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B121.BOR

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

LOG OF BORING B- 122

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-5-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54	5071.13	1		1350	0 PPM	2.24 PPM
60						
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.28	2		1514	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B122.BOR

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

LOG OF BORING B- 123

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-5-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54	5071.14	1		1351	0 PPM	2.56 PPM
60						
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5071.29	2		1518	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B123.BOR

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

LOG OF BORING B- 124

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36			SILTY CLAY, fine / med. - - olive green			
42						
48			SAND, med. / coarse - tan / orange			
54						
60	5076.13	1		1356	0.09 PPM	1279 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5076.16	2		1453	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B124.BOR

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

LOG OF BORING B- 125

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54						
60	5076.05	1		1051	0 PPM	0 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5076.17	2		1457	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B125.BOR

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

LOG OF BORING B- 126

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54	5076.06	1		1055	0 PPM	0 PPM
60						
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5076.18	2		1501	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B126.BOR

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

LOG OF BORING B- 127

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24	5076.12	1		1307	0 PPM	0 PPM
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54						
60						
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5076.19	2		1505	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B127.BOR

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

LOG OF BORING B- 128

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54						
60	5076.11	1		1303	0 PPM	0 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5076.20	2		1509	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B128.BOR

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

LOG OF BORING B- 129

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-6-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54						
60	5076.14	1		1403	0 PPM	0 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84			GROUNDWATER SAMPLE @ 7 - 12'			
90						
96						
102						
108						
114	5076.21	2		1513	----------	----------
120						
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B129.BOR

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

LOG OF BORING B- 130

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36			SILTY CLAY, fine / med. - - olive green			
42						
48			SAND, med. / coarse - tan / orange			
54	5105.03	1		1030	4 PPM	23 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.20	2		1430	----------	----------
102						
108						
114						
120						
126						

X:\MTECH5\812\B130.BOR 04-13-2000

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

LOG OF BORING B- 131

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30	5105.08	1		1059	0 PPM	816 PPM
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54	5105.09	2		1115	0 PPM	939 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.21	3		1435	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B131.BOR

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

LOG OF BORING B- 132

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-14-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30	5105.06	1		1045	0 PPM	741 PPM
36						
42			SILTY CLAY, fine / med. - - olive green			
48			SAND, med. / coarse - tan / orange			
54	5105.07	2		1050	0 PPM	756 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.22	3		1440	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\B12\B132.BOR

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

LOG OF BORING B- 133

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30	5105.12	1		1130	0 PPM	653 PPM
36			SILTY CLAY, fine / med. - olive green			
42						
48						
54	5105.13	2		1136	0 PPM	515 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.23	3		1445	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B133.BOR

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

LOG OF BORING B- 134

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54						
	5105.18	1		1340	0 PPM	707 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.24	2		1450	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B134.BOR

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

LOG OF BORING B- 135

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - - olive green			
	5105.04	1		1034	0 PPM	653 PPM
48			SAND, med. / coarse - tan / orange			
54						
	5105.05	2		1039	0.06 PPM	656 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.25	3		1455	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B135.BOR

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

LOG OF BORING B- 136

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-14-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30			SILTY CLAY, fine / med. - olive green			
36						
42	5105.10	1		1121	0 PPM	5190 PPM
48						
54	5105.11	2	SAND, med. / coarse - tan / orange	1124	0 PPM	347 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.26	3		1500	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B136.BOR

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

LOG OF BORING B- 137

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54						
	5105.19	1		1401	0 PPM	805 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.27	2		1505	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B137.BOR

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

LOG OF BORING B- 138

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30	5105.16	1		1320	5 PPM	709 PPM
36			SILTY CLAY, fine / med. - olive green			
42						
48						
54	5105.17	2		1333	12 PPM	363 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.28	3		1510	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B138.BOR

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

LOG OF BORING B-139

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30	5105.14	1		1140	0 PPM	462 PPM
36			SILTY CLAY, fine / med. - olive green			
42						
48						
54	5105.15	2		1144	0 PPM	523 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5.5 - 10.5'			
72						
78						
84						
90						
96	5105.29	3		1515	----------	----------
102						
108						
114						
120						
126						

04-13-2000 X:\MTECH5\812\B139.BOR

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

LOG OF BORING B- 140

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54	5108.03	1		1005	0 PPM	193 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5 - 10'			
72						
78						
84						
90	5108.19	2		1445	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B140.BOR

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

LOG OF BORING B- 141

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54						
	5108.06	1	SAND, med. / coarse - tan / orange	1032	0 PPM	3059 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.20	2		1447	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B141.BOR

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

LOG OF BORING B- 142

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54						
	5108.11	1	SAND, med. / coarse - tan / orange	1326	0 PPM	1297 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.21	2		1452	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B142.BOR

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

LOG OF BORING B- 143

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5108.09	1	SAND, med. / coarse - tan / orange	1146	0 PPM	4380 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.22	2		1455	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B143.BOR

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

LOG OF BORING B- 144

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54	5108.04	1		1009	3 PPM	209 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5 - 10'			
72						
78						
84						
90	5108.23	2		1500	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B144.BOR

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

LOG OF BORING B- 145

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5108.08	1	SAND, med. / coarse - tan / orange	1144	0 PPM	5492 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.24	2		1505	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B145.BOR

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

LOG OF BORING B- 146

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5108.10	1	SAND, med. / coarse - tan / orange	1151	0 PPM	5656 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.25	2		1510	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B146.BOR

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

LOG OF BORING B- 147

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54						
	5108.12	1	SAND, med. / coarse - tan / orange	1329	0 PPM	2239 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.26	2		1515	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B147.BOR

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

LOG OF BORING B- 148

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54						
	5108.07	1	SAND, med. / coarse - tan / orange	1040	0 PPM	4299 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.27	2		1520	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B148.BOR

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

LOG OF BORING B- 149

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42						
48			SILTY CLAY, fine / med. - olive green			
54	5108.05	1		1029	0 PPM	1089 PPM
60			SAND, med. / coarse - tan / orange			
			SAND, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5 - 10'			
72						
78						
84						
90	5108.28	2		1525	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B149.BOR

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

LOG OF BORING B- 150

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5108.13	1	SAND, med. / coarse - tan / orange	1332	0 PPM	3909 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.29	2		1527	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B150.BOR

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

LOG OF BORING B- 151

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5108.17	1	SAND, med. / coarse - tan / orange	1436	0 PPM	224 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.30	2		1529	———	———
96						
102						
108						
114						
120						

04-24-2000 X:\MTECH5\812\B151.BOR

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

LOG OF BORING B- 152

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5108.18	1	SAND, med. / coarse - tan / orange	1440	0 PPM	42 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.31	2		1530	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B152.BOR

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

LOG OF BORING B- 153

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54						
	5108.16	1	SAND, med. / coarse - tan / orange	1434	0 PPM	2.42 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.32	2		1531	----------	----------
96						
102						
108						
114						
120						

04-24-2000 X:\MTECH5\812\B153.BOR

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

LOG OF BORING B- 154

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-19-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54						
	5108.14	1	SAND, med. / coarse - tan / orange	1427	0 PPM	2.42 PPM
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5108.33	2		1533	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B154.BOR

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

LOG OF BORING B- 155

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 1-20-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5109.03	1		0900	1.01 PPM	0.18 PPM
			SAND, med. / coarse - olive green / tan / orange			
60			SANDY CLAY, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5109.08	2		1100	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B155.BOR

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

LOG OF BORING B- 156

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-20-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5109.04	1		0915	0.90 PPM	0.65 PPM
			SAND, med. / coarse - olive green / tan / orange			
60			SANDY CLAY, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5109.09	2		1110	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B156.BOR

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

LOG OF BORING B- 157

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-20-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5109.05	1		0930	0.90 PPM	0.65 PPM
			SAND, med. / coarse - olive green / tan / orange			
60			SANDY CLAY, fine - lt. olive green w/ some small rnd. gravels			
66			GROUNDWATER SAMPLE @ 5 - 10'			
72						
78						
84						
90	5109.10	2		1115	———	———
96						
102						
108						
114						
120						

04-24-2000 X:\MTECH5\812\B157.BOR

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

LOG OF BORING B- 159

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-20-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5109.06	1		0940	1.01 PPM	0.11 PPM
			SAND, med. / coarse - olive green / tan / orange			
60			SANDY CLAY, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5109.11	2		1125	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B159.BOR

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

LOG OF BORING B- 160

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-20-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54	5109.07	1		1000	0.09 PPM	0.02 PPM
			SAND, med. / coarse - olive green / tan / orange			
60			SANDY CLAY, fine - lt. olive green w/ some small rnd. gravels			
			GROUNDWATER SAMPLE @ 5 - 10'			
66						
72						
78						
84						
90	5109.12	2		1140	----------	----------
96						
102						
108						
114						
120						

04-13-2000 X:\MTECH5\812\B160.BOR

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

LOG OF BORING B- 161

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 1-19-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54						
60	5108.15	1	SAND, med. / coarse - tan / orange	1431	1.03 PPM	0.09 PPM
66			SAND, fine - lt. olive green w/ some small rnd. gravels			
72						
78						
84						
90	5108.34	2		1535	----------	----------
96			GROUNDWATER SAMPLE @ 5 - 10'			
102						
108						
114						
120						
126						
132						
138						
144						

04-25-2000 X:\MTECH5\812\B161.BOR

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

LOG OF BORING B- 161A

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED	: 2-14-00	OPERATOR	: MARK LAURA
HOLE DIAMETER	: 2"	CONTRACTOR	: TVS-PWS-07
DRILLING METHOD	: GEOPROBE	NJDEP LIC. #	: J1486
SAMPLING METHOD	: 2" MACROCORE		
H2O SAMPLER	: 1" PVC		

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54						
			SAND, med. / coarse - tan / orange			
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66						
72						
78						
84						
90	5166.03	1		0940	1.03 PPM	0.09 PPM
96			GROUNDWATER SAMPLE @ 8 - 12'			
102						
108						
114						
120	5166.04	2		1040	———	———
126						
132						
138						
144						

04-24-2000 X:\MTECH\812\B161A.BOR

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

LOG OF BORING B- 162

US ARMY
FT. MONMOUTH N.J.
SELFM-PW-EV
JOSEPH FALLON

812 INVESTIGATION

DATE COMPLETED : 2-14-00
HOLE DIAMETER : 2"
DRILLING METHOD : GEOPROBE
SAMPLING METHOD : 2" MACROCORE
H2O SAMPLER : 1" PVC

OPERATOR : MARK LAURA
CONTRACTOR : TVS-PWS-07
NJDEP LIC. # : J1486

Depth in INCHES	Lab No.	Samples	DESCRIPTION	TIME	PID	FID
0			TURF			
6			SILTY SAND, fine - brown			
12			CLAYEY SILT, fine / med. - orange / lt. olive green and small rnd. gravels			
18						
24						
30						
36						
42			SILTY CLAY, fine / med. - olive green			
48						
54			SAND, med. / coarse - tan / orange			
60			SAND, fine - lt. olive green w/ some small rnd. gravels			
66						
72						
78						
84						
90	5166.05	1		1020	0.87 PPM	0.19 PPM
96			GROUNDWATER SAMPLE @ 8 - 12'			
102						
108						
114						
120	5166.06	2		1050	----------	----------
126						
132						
138						
144						

04-13-2000 X:\MTECH5\812\B162.BOR

APPENDIX D

AQUIFER STUDY

Slug Test Evaluation

AQUIFER TESTING, SITE 812

Aquifer Testing

Rising-head aquifer tests (i.e., slug tests) were conducted in wells MW-2, MW-3, MW-5, MW-8 and MW-12 on May 19, 2000. Each test was conducted by inserting a bailer into the well, and then quickly extracting it while monitoring the subsequent change in the water level. The test was continued until the water level recovered at least 80 percent of the initial drawdown. Water levels were monitored using a Hermit 1000 water-level data logger.

Water-level data from slug tests were analyzed by two methods: the method developed by Bouwer (Bouwer and Rice, 1976; Bouwer, 1989) and the Hvorslev method (Hvorslev, 1951). Tables MW-2, MW-3, MW-5, MW-8, and MW-12 provide the equations for these methods, the input parameters used for each test, and graphs of the data. The two methods yielded comparable results.

Shallow Wells (Tinton Sand and Upper Member of Red Bank Sand (Shrewsbury)) MW-5, MW-8, and MW-12

Using the Bouwer and Rice method, hydraulic conductivity was found to range from 8.34E-04 centimeters per second (cm/sec) to 2.28E-03 cm/sec, with a arithmetic mean of 1.50E-03 cm/sec. Using the Hvorslev method, it was found to range from 7.52E-04 cm/sec to 2.82E-03 cm/sec, with a arithmetic mean of 1.63E-03 cm/sec. The average hydraulic conductivity for shallow wells is 1.56E-03 cm/sec. **Table 1** provides a Summary of the Slug Test Analyses performed for the Shallow Wells (MW-5, MW-8, and MW-12) at Site 812.

Deep Wells (Lower Member of Red Bank Sand (Sandy Hook)) MW-2 and MW-3

Using the Bouwer and Rice method, hydraulic conductivity was found to range from 2.49E-04 cm/sec to 2.74E-04 cm/sec, with a arithmetic mean of 2.63-04 cm/sec. Using the Hvorslev method, it was found to range from 2.75E-04 cm/sec to 3.36E-04 cm/sec, with a arithmetic mean of 3.05E-04 cm/sec. The average hydraulic conductivity for deep wells is 2.84E-04 cm/sec. **Table 2** provides a Summary of the Slug Test Analyses performed for the Deep Wells (MW-2 and MW-3) at Site 812.

Table 1 - Summary of Slug Test Analysis - Shallow Wells

Well ID	Hydrogeologic Unit	Analysis Method				Average	
		Hvorslev	Hvorslev	Bouwer & Rice	Bouwer & Rice		
		(cm/sec)	(ft/day)	(cm/sec)	(ft/day)	(cm/sec)	(ft/day)
MW-5	Tinton Sand and Upper Member of Red Bank Sand (Shrewsbury)	1.33E-03	3.78E+00	1.40E-03	3.96E+00	1.37E-03	3.87E+00
MW-8	Tinton Sand and Upper Member of Red Bank Sand (Shrewsbury)	7.52E-04	2.13E+00	8.34E-04	2.36E+00	7.93E-04	2.25E+00
MW-12	Tinton Sand and Upper Member of Red Bank Sand (Shrewsbury)	2.82E-03	7.98E+00	2.28E-03	6.47E+00	2.55E-03	7.23E+00

Table 2 - Summary of Slug Test Analysis - Deep Wells

Well ID	Hydrogeologic Unit	Analysis Method				Average	
		Hvorslev	Hvorslev	Bouwer & Rice	Bouwer & Rice		
		(cm/sec)	(ft/day)	(cm/sec)	(ft/day)	(cm/sec)	(ft/day)
MW-2	Lower Member of Red Bank Sand (Sandy Hook)	3.36E-04	9.52E-01	2.76E-04	7.83E-01	3.05E-04	8.68E-01
MW-3	Lower Member of Red Bank Sand (Sandy Hook)	2.75E-04	7.78E-01	2.49E-04	7.06E-01	2.62E-04	7.42E-01

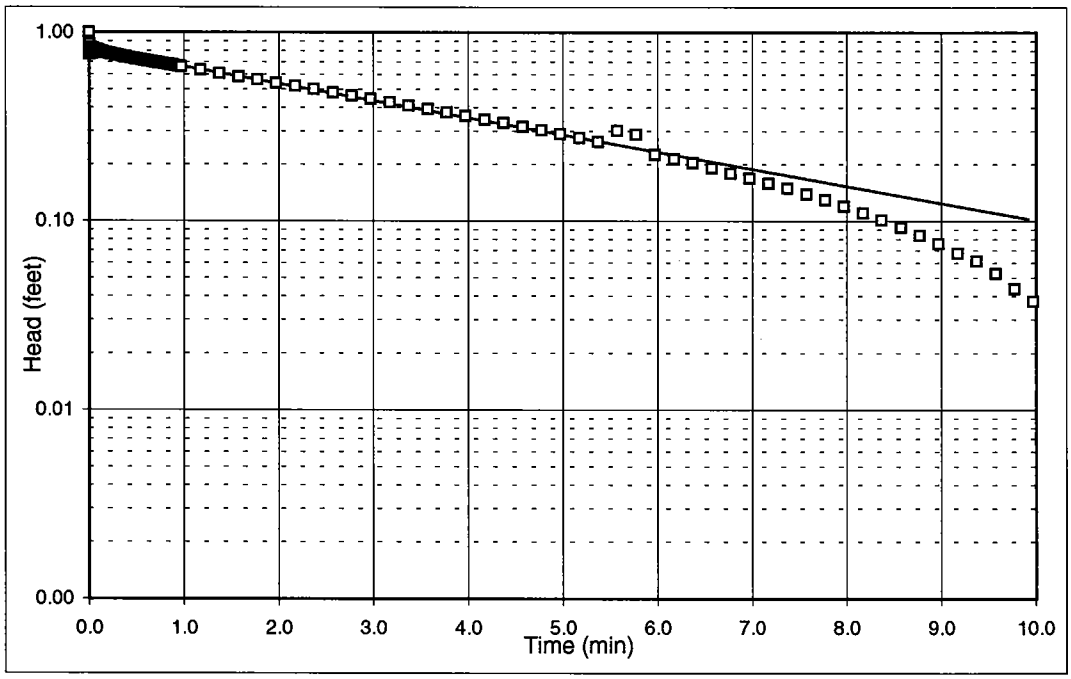
BOUWER AND RICE SLUG TEST ANALYSIS
RISING HEAD TEST MW-2

$$K = \frac{r_c^2 \ln\left(\frac{R_e}{r_w}\right)}{2L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

where:

r_c = casing radius (feet);
R_e = effective radius (feet);
L_e = length of screened interval (feet);
r_w = radial distance to undisturbed aquifer (feet)
y_0 = initial drawdown (feet)
y_t = drawdown (feet) at time t (minutes)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
r_w =	0.26			
L_e =	20	K=	2.76E-04	cm/sec
$\ln(R_e/r_w)$=	3.75	K=	7.83E-01	ft/day
y_0 =	0.81			
y_t =	0.10			
t =	9.9			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

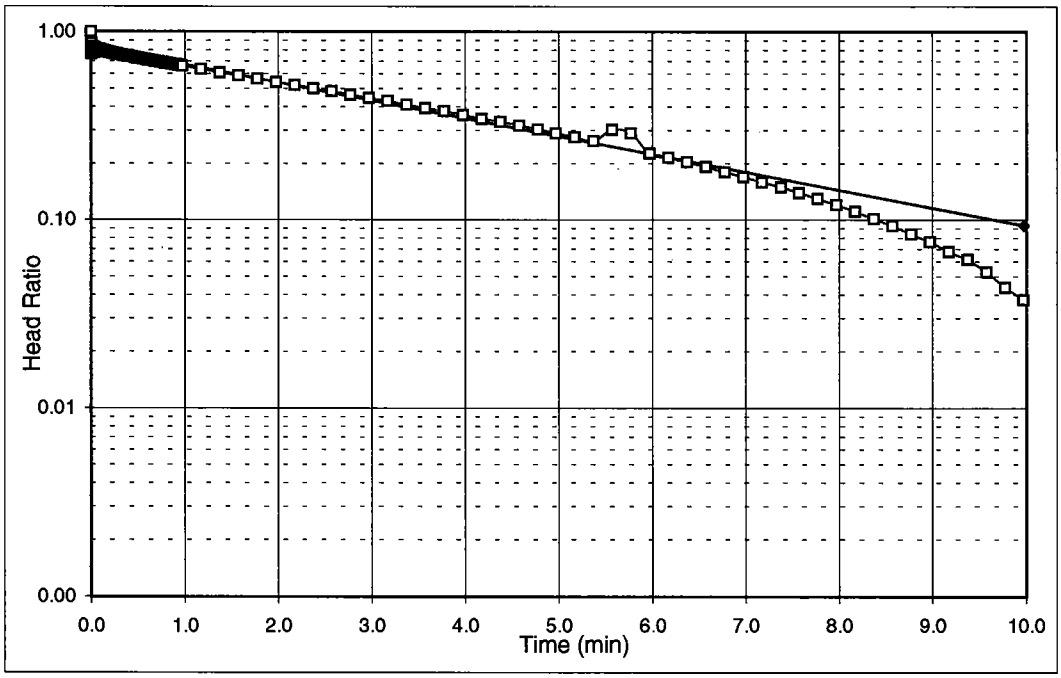
Analysis By: MJ
Checked By: SV
Analysis Date: 08/22/00

HVORSLEV SLUG TEST ANALYSIS
RISING HEAD TEST MW-2

$$K = \frac{r_c^2}{2L_e} \ln \frac{L_e}{R_e} \left[\frac{\ln\left(\frac{h_1}{h_2}\right)}{(t2 - t1)} \right] 30.48$$

where:
r_c = casing radius (feet)
R_e = equivalent radius (feet)
L_e = length of screened interval (feet)
t = time (minutes)
h_t = head at time t (feet)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
R_e =	0.26			
L_e =	20	K=	3.36E-04	cm/sec
t_1 =	0	K=	9.52E-01	ft/day
t_2 =	9.98			
h_1/h_0 =	0.83			
h_2/h_0 =	0.09			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

Analysis By: MJ
Checked By: SV
Analysis Date: 08/22/00

RISING HEAD TEST MW-2
WELL NO. MW-2

Bldg. 812
D.O.3M-3/M-2

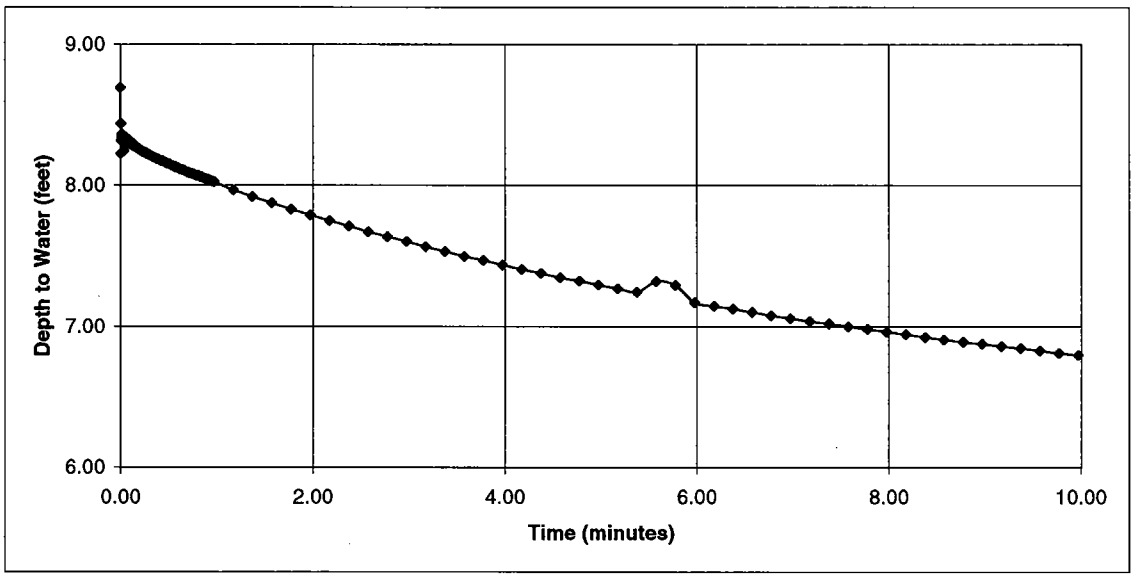
DATE	4/20/00	
INITIAL DEPTH TO WATER	6.725	FEET (btoc)
CASING DIAMETER	4	INCHES
SAND DIAMETER	6.25	INCHES
TOP OF OPEN INTERVAL	26	FEET (btoc)
BOTTOM OF OPEN INTERVAL	46	FEET (btoc)
SATURATED THICKNESS	39.15	FEET
WATER TABLE TO BOTTOM OF SCREEN	39.15	FEET
EQUIVALENT DIAMETER	4.79	INCHES
OPEN INTERVAL LENGTH	20	FEET
STATIC IN SCREEN?	N	
MAX. HEAD CHANGE	1.97	FEET
MAX. HEAD IN SCREEN?	N	

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.00	8.69	0.00	1.97	1.00
0.00	8.23	0.00	1.50	0.76
0.01	8.44	0.01	1.71	0.87
0.01	8.32	0.01	1.59	0.81
0.01	8.36	0.01	1.64	0.83
0.02	8.34	0.02	1.62	0.82
0.02	8.35	0.02	1.62	0.83
0.02	8.34	0.02	1.62	0.82
0.03	8.35	0.03	1.63	0.83
0.03	8.34	0.03	1.62	0.82
0.03	8.34	0.03	1.62	0.82
0.04	8.24	0.04	1.52	0.77
0.04	8.30	0.04	1.57	0.80
0.04	8.35	0.04	1.62	0.82
0.05	8.33	0.05	1.60	0.82
0.05	8.31	0.05	1.59	0.81
0.05	8.33	0.05	1.60	0.81
0.06	8.31	0.06	1.59	0.81
0.06	8.32	0.06	1.59	0.81
0.06	8.32	0.06	1.59	0.81
0.07	8.31	0.07	1.59	0.81
0.07	8.31	0.07	1.59	0.81
0.07	8.32	0.07	1.59	0.81
0.08	8.31	0.08	1.59	0.81
0.08	8.31	0.08	1.59	0.81
0.08	8.31	0.08	1.59	0.81
0.09	8.30	0.09	1.58	0.80
0.09	8.32	0.09	1.59	0.81
0.09	8.29	0.09	1.57	0.80
0.10	8.30	0.10	1.58	0.80
0.10	8.30	0.10	1.58	0.80
0.10	8.30	0.10	1.58	0.80
0.11	8.30	0.11	1.57	0.80
0.11	8.29	0.11	1.57	0.80
0.11	8.29	0.11	1.57	0.80
0.12	8.29	0.12	1.56	0.79
0.12	8.29	0.12	1.56	0.79
0.12	8.29	0.12	1.57	0.80
0.13	8.29	0.13	1.56	0.79
0.13	8.28	0.13	1.56	0.79
0.13	8.29	0.13	1.57	0.80
0.14	8.28	0.14	1.55	0.79
0.14	8.28	0.14	1.55	0.79
0.14	8.28	0.14	1.55	0.79

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.15	8.28	0.15	1.55	0.79
0.15	8.27	0.15	1.55	0.79
0.15	8.27	0.15	1.55	0.79
0.16	8.27	0.16	1.55	0.79
0.16	8.27	0.16	1.55	0.79
0.16	8.27	0.16	1.55	0.79
0.17	8.27	0.17	1.54	0.78
0.17	8.27	0.17	1.54	0.78
0.17	8.26	0.17	1.54	0.78
0.18	8.26	0.18	1.54	0.78
0.18	8.26	0.18	1.54	0.78
0.18	8.26	0.18	1.54	0.78
0.19	8.26	0.19	1.53	0.78
0.19	8.26	0.19	1.53	0.78
0.19	8.26	0.19	1.53	0.78
0.20	8.25	0.20	1.53	0.78
0.20	8.25	0.20	1.53	0.78
0.20	8.25	0.20	1.53	0.77
0.21	8.25	0.21	1.53	0.77
0.21	8.25	0.21	1.53	0.77
0.21	8.25	0.21	1.52	0.77
0.22	8.24	0.22	1.52	0.77
0.22	8.24	0.22	1.52	0.77
0.22	8.24	0.22	1.52	0.77
0.23	8.24	0.23	1.52	0.77
0.23	8.24	0.23	1.52	0.77
0.23	8.24	0.23	1.51	0.77
0.24	8.24	0.24	1.51	0.77
0.24	8.24	0.24	1.51	0.77
0.24	8.24	0.24	1.51	0.77
0.25	8.24	0.25	1.51	0.77
0.25	8.23	0.25	1.51	0.77
0.25	8.23	0.25	1.51	0.77
0.26	8.23	0.26	1.50	0.76
0.26	8.23	0.26	1.51	0.77
0.26	8.23	0.26	1.50	0.76
0.27	8.23	0.27	1.50	0.76
0.27	8.23	0.27	1.50	0.76
0.27	8.23	0.27	1.50	0.76
0.28	8.22	0.28	1.50	0.76
0.28	8.22	0.28	1.50	0.76
0.28	8.22	0.28	1.50	0.76
0.29	8.22	0.29	1.50	0.76
0.29	8.22	0.29	1.50	0.76
0.29	8.22	0.29	1.49	0.76
0.30	8.22	0.30	1.49	0.76
0.30	8.22	0.30	1.49	0.76
0.30	8.21	0.30	1.49	0.76
0.31	8.21	0.31	1.49	0.76
0.31	8.21	0.31	1.49	0.76
0.33	8.21	0.33	1.48	0.75
0.34	8.20	0.34	1.48	0.75
0.36	8.19	0.36	1.47	0.75
0.38	8.19	0.38	1.46	0.74
0.39	8.19	0.39	1.46	0.74
0.41	8.18	0.41	1.45	0.74
0.43	8.17	0.43	1.45	0.74
0.44	8.17	0.44	1.45	0.73
0.46	8.16	0.46	1.44	0.73
0.48	8.16	0.48	1.43	0.73
0.49	8.15	0.49	1.43	0.73
0.51	8.15	0.51	1.42	0.72
0.53	8.14	0.53	1.42	0.72
0.54	8.14	0.54	1.41	0.72

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.56	8.13	0.56	1.41	0.71
0.58	8.13	0.58	1.40	0.71
0.59	8.12	0.59	1.40	0.71
0.61	8.12	0.61	1.39	0.71
0.63	8.12	0.63	1.39	0.71
0.64	8.11	0.64	1.38	0.70
0.66	8.11	0.66	1.38	0.70
0.68	8.10	0.68	1.37	0.70
0.69	8.09	0.69	1.37	0.70
0.71	8.09	0.71	1.37	0.69
0.73	8.09	0.73	1.36	0.69
0.74	8.08	0.74	1.36	0.69
0.76	8.08	0.76	1.36	0.69
0.78	8.07	0.78	1.35	0.69
0.79	8.07	0.79	1.35	0.68
0.81	8.07	0.81	1.34	0.68
0.83	8.06	0.83	1.34	0.68
0.84	8.06	0.84	1.33	0.68
0.86	8.05	0.86	1.33	0.67
0.88	8.05	0.88	1.33	0.67
0.89	8.05	0.89	1.32	0.67
0.91	8.04	0.91	1.32	0.67
0.93	8.04	0.93	1.31	0.67
0.94	8.03	0.94	1.31	0.66
0.96	8.03	0.96	1.31	0.66
0.98	8.02	0.98	1.30	0.66
1.18	7.97	1.18	1.24	0.63
1.38	7.92	1.38	1.19	0.61
1.58	7.87	1.58	1.15	0.58
1.78	7.83	1.78	1.11	0.56
1.98	7.79	1.98	1.06	0.54
2.18	7.75	2.18	1.02	0.52
2.38	7.71	2.38	0.98	0.50
2.58	7.67	2.58	0.95	0.48
2.78	7.64	2.78	0.91	0.46
2.98	7.60	2.98	0.88	0.45
3.18	7.57	3.18	0.84	0.43
3.38	7.53	3.38	0.81	0.41
3.58	7.50	3.58	0.77	0.39
3.78	7.47	3.78	0.74	0.38
3.98	7.44	3.98	0.71	0.36
4.18	7.40	4.18	0.68	0.35
4.38	7.38	4.38	0.65	0.33
4.58	7.35	4.58	0.62	0.32
4.78	7.32	4.78	0.60	0.30
4.98	7.30	4.98	0.57	0.29
5.18	7.27	5.18	0.54	0.28
5.38	7.24	5.38	0.52	0.26
5.58	7.32	5.58	0.59	0.30
5.78	7.29	5.78	0.57	0.29
5.98	7.17	5.98	0.44	0.23
6.18	7.15	6.18	0.42	0.21
6.38	7.13	6.38	0.40	0.20
6.58	7.10	6.58	0.38	0.19
6.78	7.08	6.78	0.35	0.18
6.98	7.06	6.98	0.33	0.17
7.18	7.04	7.18	0.31	0.16
7.38	7.02	7.38	0.29	0.15
7.58	7.00	7.58	0.27	0.14
7.78	6.98	7.78	0.26	0.13
7.98	6.96	7.98	0.24	0.12
8.18	6.94	8.18	0.22	0.11
8.38	6.93	8.38	0.20	0.10
8.58	6.91	8.58	0.18	0.09

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
8.78	6.89	8.78	0.17	0.08
8.98	6.88	8.98	0.15	0.08
9.18	6.86	9.18	0.13	0.07
9.38	6.85	9.38	0.12	0.06
9.58	6.83	9.58	0.10	0.05
9.78	6.81	9.78	0.09	0.04
9.98	6.80	9.98	0.07	0.04



MW-2

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.0000	105.0900		
		0.0033	105.6980		
		0.0066	106.9960		
		0.01	106.138		
		0.0133	105.789		
		0.0166	106.664		
		0.02	107.064		
		0.0233	107.768	0.0000	8.6930
		0.0266	107.301	0.0033	8.2260
		0.03	107.513	0.0067	8.4380
		0.0333	107.392	0.0100	8.3170
		0.0366	107.439	0.0133	8.3640
		0.04	107.419	0.0167	8.3440
		0.0433	107.425	0.0200	8.3500
		0.0466	107.416	0.0233	8.3410
		0.05	107.428	0.0267	8.3530
		0.533	107.416	0.5097	8.3410
		0.566	107.416	0.5427	8.3410
		0.06	107.319	0.0367	8.2440
		0.0633	107.372	0.0400	8.2970
		0.0666	107.422	0.0433	8.3470
		0.07	107.404	0.0467	8.3290
		0.0733	107.389	0.0500	8.3140
		0.0766	107.401	0.0533	8.3260
		0.08	107.389	0.0567	8.3140
		0.0833	107.395	0.0600	8.3200
		0.0866	107.392	0.0633	8.3170
		0.09	107.387	0.0667	8.3120
		0.0933	107.389	0.0700	8.3140
		0.0966	107.392	0.0733	8.3170
		0.1	107.387	0.0767	8.3120
		0.1033	107.387	0.0800	8.3120
		0.1066	107.389	0.0833	8.3140
		0.11	107.378	0.0867	8.3030
		0.1133	107.395	0.0900	8.3200
		0.1166	107.369	0.0933	8.2940
		0.12	107.375	0.0967	8.3000
		0.1233	107.375	0.1000	8.3000
		0.1266	107.378	0.1033	8.3030

MW-2

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.13	107.372	0.1067	8.2970
		0.1333	107.369	0.1100	8.2940
		0.1366	107.369	0.1133	8.2940
		0.14	107.363	0.1167	8.2880
		0.1433	107.363	0.1200	8.2880
		0.1466	107.366	0.1233	8.2910
		0.15	107.363	0.1267	8.2880
		0.1533	107.357	0.1300	8.2820
		0.1566	107.369	0.1333	8.2940
		0.16	107.354	0.1367	8.2790
		0.1633	107.354	0.1400	8.2790
		0.1666	107.351	0.1433	8.2760
		0.17	107.351	0.1467	8.2760
		0.1733	107.348	0.1500	8.2730
		0.1766	107.345	0.1533	8.2700
		0.18	107.345	0.1567	8.2700
		0.1833	107.345	0.1600	8.2700
		0.1866	107.345	0.1633	8.2700
		0.19	107.342	0.1667	8.2670
		0.1933	107.342	0.1700	8.2670
		0.1966	107.339	0.1733	8.2640
		0.2	107.337	0.1767	8.2620
		0.2033	107.337	0.1800	8.2620
		0.2066	107.337	0.1833	8.2620
		0.21	107.334	0.1867	8.2590
		0.2133	107.331	0.1900	8.2560
		0.2166	107.331	0.1933	8.2560
		0.22	107.328	0.1967	8.2530
		0.2233	107.328	0.2000	8.2530
		0.2266	107.325	0.2033	8.2500
		0.23	107.325	0.2067	8.2500
		0.2333	107.325	0.2100	8.2500
		0.2366	107.322	0.2133	8.2470
		0.24	107.319	0.2167	8.2440
		0.2433	107.319	0.2200	8.2440
		0.2466	107.316	0.2233	8.2410
		0.25	107.316	0.2267	8.2410
		0.2533	107.316	0.2300	8.2410
		0.2566	107.313	0.2333	8.2380

MW-2

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.26	107.313	0.2367	8.2380
		0.2633	107.313	0.2400	8.2380
		0.2666	107.31	0.2433	8.2350
		0.27	107.31	0.2467	8.2350
		0.2733	107.307	0.2500	8.2320
		0.2766	107.307	0.2533	8.2320
		0.28	107.304	0.2567	8.2290
		0.2833	107.307	0.2600	8.2320
		0.2866	107.301	0.2633	8.2260
		0.29	107.301	0.2667	8.2260
		0.2933	107.301	0.2700	8.2260
		0.2966	107.301	0.2733	8.2260
		0.3	107.298	0.2767	8.2230
		0.3033	107.298	0.2800	8.2230
		0.3066	107.295	0.2833	8.2200
		0.31	107.295	0.2867	8.2200
		0.3133	107.295	0.2900	8.2200
		0.3166	107.293	0.2933	8.2180
		0.32	107.293	0.2967	8.2180
		0.3233	107.29	0.3000	8.2150
		0.3266	107.287	0.3033	8.2120
		0.33	107.287	0.3067	8.2120
		0.3333	107.287	0.3100	8.2120
		0.35	107.281	0.3267	8.2060
		0.3666	107.275	0.3433	8.2000
		0.3833	107.269	0.3600	8.1940
		0.4	107.263	0.3767	8.1880
		0.4166	107.26	0.3933	8.1850
		0.4333	107.254	0.4100	8.1790
		0.45	107.249	0.4267	8.1740
		0.4666	107.246	0.4433	8.1710
		0.4833	107.24	0.4600	8.1650
		0.5	107.234	0.4767	8.1590
		0.5166	107.228	0.4933	8.1530
		0.5333	107.225	0.5100	8.1500
		0.55	107.219	0.5267	8.1440
		0.5666	107.213	0.5433	8.1380
		0.5833	107.207	0.5600	8.1320
		0.6	107.204	0.5767	8.1290

MW-2

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.6166	107.199	0.5933	8.1240
		0.6333	107.193	0.6100	8.1180
		0.65	107.19	0.6267	8.1150
		0.6666	107.184	0.6433	8.1090
		0.6833	107.181	0.6600	8.1060
		0.7	107.175	0.6767	8.1000
		0.7166	107.169	0.6933	8.0940
		0.7333	107.166	0.7100	8.0910
		0.75	107.163	0.7267	8.0880
		0.7666	107.158	0.7433	8.0830
		0.7833	107.155	0.7600	8.0800
		0.8	107.149	0.7767	8.0740
		0.8166	107.146	0.7933	8.0710
		0.8333	107.143	0.8100	8.0680
		0.85	107.137	0.8267	8.0620
		0.8666	107.134	0.8433	8.0590
		0.8833	107.128	0.8600	8.0530
		0.9	107.125	0.8767	8.0500
		0.9166	107.122	0.8933	8.0470
		0.9333	107.116	0.9100	8.0410
		0.95	107.113	0.9267	8.0380
		0.9666	107.108	0.9433	8.0330
		0.9833	107.105	0.9600	8.0300
		1	107.099	0.9767	8.0240
		1.2	107.043	1.1767	7.9680
		1.4	106.993	1.3767	7.9180
		1.6	106.949	1.5767	7.8740
		1.8	106.905	1.7767	7.8300
		2	106.864	1.9767	7.7890
		2.2	106.823	2.1767	7.7480
		2.4	106.785	2.3767	7.7100
		2.6	106.746	2.5767	7.6710
		2.8	106.711	2.7767	7.6360
		3	106.676	2.9767	7.6010
		3.2	106.641	3.1767	7.5660
		3.4	106.605	3.3767	7.5300
		3.6	106.573	3.5767	7.4980
		3.8	106.544	3.7767	7.4690
		4	106.511	3.9767	7.4360

MW-2

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
	5/19/00				correction= - 100.15
		4.2	106.479	4.1767	7.4040
		4.4	106.453	4.3767	7.3780
		4.6	106.423	4.5767	7.3480
		4.8	106.397	4.7767	7.3220
		5	106.37	4.9767	7.2950
		5.2	106.344	5.1767	7.2690
		5.4	106.318	5.3767	7.2430
		5.6	106.394	5.5767	7.3190
		5.8	106.368	5.7767	7.2930
		6	106.244	5.9767	7.1690
		6.2	106.221	6.1767	7.1460
		6.4	106.2	6.3767	7.1250
		6.6	106.177	6.5767	7.1020
		6.8	106.153	6.7767	7.0780
		7	106.133	6.9767	7.0580
		7.2	106.112	7.1767	7.0370
		7.4	106.094	7.3767	7.0190
		7.6	106.074	7.5767	6.9990
		7.8	106.056	7.7767	6.9810
		8	106.036	7.9767	6.9610
		8.2	106.018	8.1767	6.9430
		8.4	106	8.3767	6.9250
		8.6	105.983	8.5767	6.9080
		8.8	105.965	8.7767	6.8900
		9	105.95	8.9767	6.8750
		9.2	105.933	9.1767	6.8580
		9.4	105.921	9.3767	6.8460
		9.6	105.904	9.5767	6.8290
		9.8	105.886	9.7767	6.8110
		10	105.874	9.9767	6.7990

MW-3

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.0000	106.6760		
		0.0033	107.1520		
		0.0066	106.8460		
		0.01	106.532		
		0.0133	106.629		
		0.0166	106.802		
		0.02	107.416		
		0.0233	108.217		
		0.0266	108.546	0.0000	8.3960
		0.03	108.273	0.0034	8.1230
		0.0333	108.106	0.0067	7.9560
		0.0366	108.285	0.0100	8.1350
		0.04	108.388	0.0134	8.2380
		0.0433	108.232	0.0167	8.0820
		0.0466	108.165	0.0200	8.0150
		0.05	108.279	0.0234	8.1290
		0.533	108.314	0.5064	8.1640
		0.566	108.226	0.5394	8.0760
		0.06	108.211	0.0334	8.0610
		0.0633	108.276	0.0367	8.1260
		0.0666	108.273	0.0400	8.1230
		0.07	108.211	0.0434	8.0610
		0.0733	108.223	0.0467	8.0730
		0.0766	108.247	0.0500	8.0970
		0.08	108.235	0.0534	8.0850
		0.0833	108.22	0.0567	8.0700
		0.0866	108.232	0.0600	8.0820
		0.09	108.241	0.0634	8.0910
		0.0933	108.229	0.0667	8.0790
		0.0966	108.223	0.0700	8.0730
		0.1	108.229	0.0734	8.0790
		0.1033	108.229	0.0767	8.0790
		0.1066	108.223	0.0800	8.0730
		0.11	108.22	0.0834	8.0700
		0.1133	108.226	0.0867	8.0760
		0.1166	108.22	0.0900	8.0700
		0.12	108.217	0.0934	8.0670
		0.1233	108.211	0.0967	8.0610
		0.1266	108.214	0.1000	8.0640

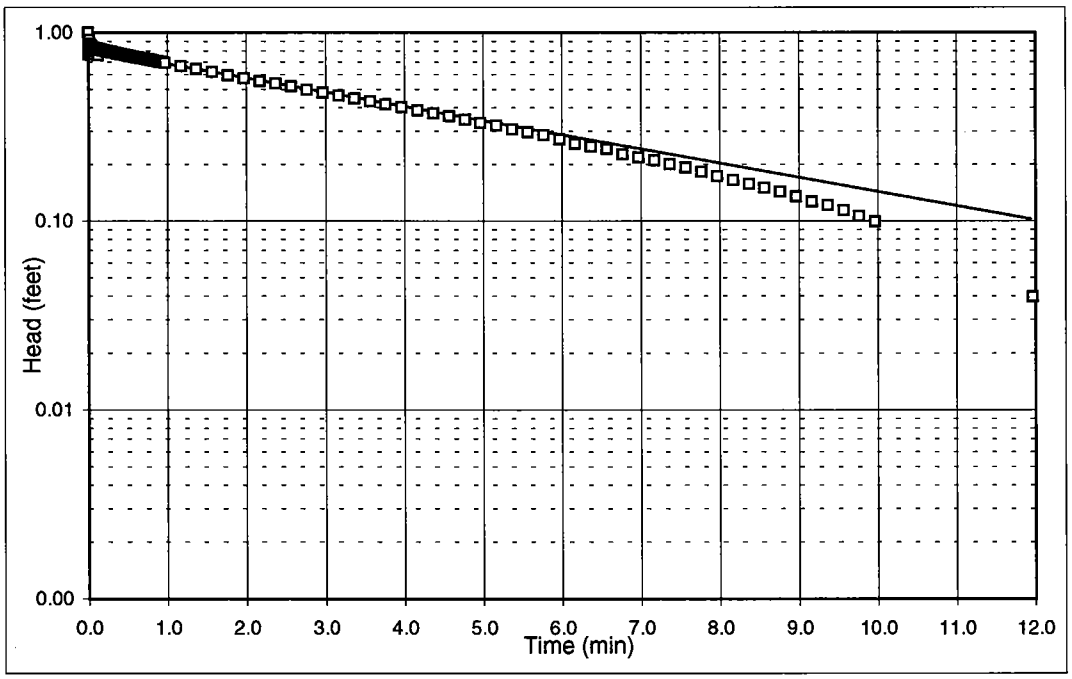
BOUWER AND RICE SLUG TEST ANALYSIS
RISING HEAD TEST MW-3

$$K = \frac{r_c^2 \ln\left(\frac{R_e}{r_w}\right)}{2L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

where:

r_c = casing radius (feet);
R_e = effective radius (feet);
L_e = length of screened interval (feet);
r_w = radial distance to undisturbed aquifer (feet)
y_0 = initial drawdown (feet)
y_t = drawdown (feet) at time t (minutes)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
r_w =	0.26			
L_e =	20.2	K=	#N/A	cm/sec
$\ln(R_e/r_w)$=	#N/A	K=	#N/A	ft/day
y_0 =	0.81			
y_t =	0.10			
t =	12.0			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

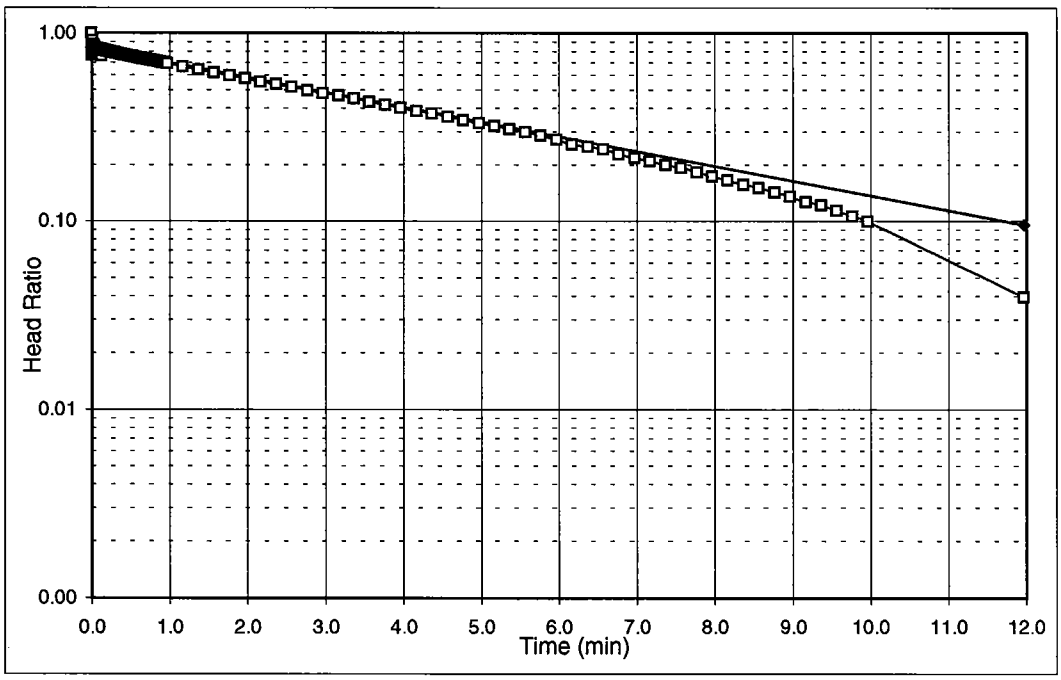
Analysis By: MJ
Checked By: SV
Analysis Date: 08/23/00

HVORSLEV SLUG TEST ANALYSIS
RISING HEAD TEST MW-3

$$K = \frac{r_c^2}{2L_e} \ln \frac{L_e}{R_e} \left[\frac{\ln\left(\frac{h_1}{h_2}\right)}{(t2 - t1)} \right] 30.48$$

where:
r_c = casing radius (feet)
R_e = equivalent radius (feet)
L_e = length of screened interval (feet)
t = time (minutes)
h_t = head at time t (feet)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
R_e =	0.26			
L_e =	20.2	K=	2.75E-04	cm/sec
t_1 =	0	K=	7.78E-01	ft/day
t_2 =	11.98			
h_1/h_0 =	0.83			
h_2/h_0 =	0.10			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

Analysis By: MJ
Checked By: SV
Analysis Date: 08/23/00

RISING HEAD TEST MW-3
WELL NO. MW-3

Bldg. 812
D.O.3M-3/M-2

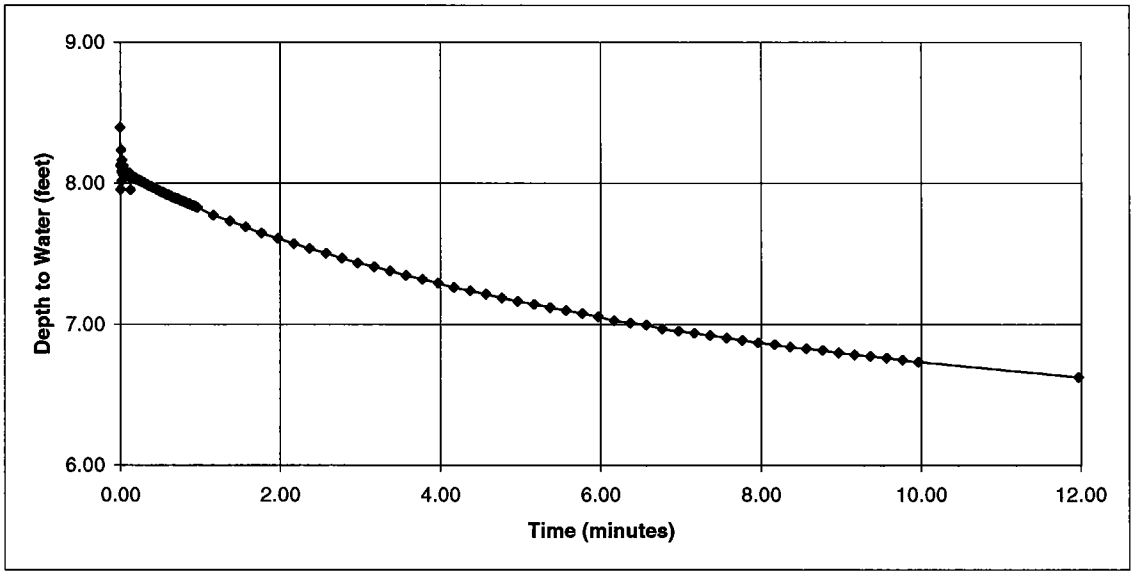
DATE	4/20/00	
INITIAL DEPTH TO WATER	6.55	FEET (btoc)
CASING DIAMETER	4	INCHES
SAND DIAMETER	6.25	INCHES
TOP OF OPEN INTERVAL	25.5	FEET (btoc)
BOTTOM OF OPEN INTERVAL	45.7	FEET (btoc)
SATURATED THICKNESS	39.15	FEET
WATER TABLE TO BOTTOM OF SCREEN	39.25	FEET
EQUIVALENT DIAMETER	4.79	INCHES
OPEN INTERVAL LENGTH	20.2	FEET
STATIC IN SCREEN?	N	
MAX. HEAD CHANGE	1.85	FEET
MAX. HEAD IN SCREEN?	N	

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.00	8.40	0.00	1.85	1.00
0.00	8.12	0.00	1.57	0.85
0.01	7.96	0.01	1.41	0.76
0.01	8.13	0.01	1.58	0.86
0.01	8.24	0.01	1.69	0.91
0.02	8.08	0.02	1.53	0.83
0.02	8.02	0.02	1.47	0.79
0.02	8.13	0.02	1.58	0.86
0.03	8.16	0.03	1.61	0.87
0.03	8.08	0.03	1.53	0.83
0.03	8.06	0.03	1.51	0.82
0.04	8.13	0.04	1.58	0.85
0.04	8.12	0.04	1.57	0.85
0.04	8.06	0.04	1.51	0.82
0.05	8.07	0.05	1.52	0.83
0.05	8.10	0.05	1.55	0.84
0.05	8.08	0.05	1.53	0.83
0.06	8.07	0.06	1.52	0.82
0.06	8.08	0.06	1.53	0.83
0.06	8.09	0.06	1.54	0.83
0.07	8.08	0.07	1.53	0.83
0.07	8.07	0.07	1.52	0.83
0.07	8.08	0.07	1.53	0.83
0.08	8.08	0.08	1.53	0.83
0.08	8.07	0.08	1.52	0.83
0.08	8.07	0.08	1.52	0.82
0.09	8.08	0.09	1.53	0.83
0.09	8.07	0.09	1.52	0.82
0.09	8.07	0.09	1.52	0.82
0.10	8.06	0.10	1.51	0.82
0.10	8.06	0.10	1.51	0.82
0.10	8.06	0.10	1.51	0.82
0.11	8.06	0.11	1.51	0.82
0.11	8.06	0.11	1.51	0.82
0.11	8.06	0.11	1.51	0.82
0.12	8.07	0.12	1.52	0.82
0.12	8.07	0.12	1.52	0.83
0.12	8.05	0.12	1.50	0.81
0.13	8.04	0.13	1.49	0.81
0.13	7.95	0.13	1.40	0.76
0.13	8.06	0.13	1.51	0.82
0.14	8.04	0.14	1.49	0.81
0.14	8.06	0.14	1.51	0.82
0.14	8.05	0.14	1.50	0.81

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.15	8.05	0.15	1.50	0.81
0.15	8.06	0.15	1.51	0.82
0.15	8.05	0.15	1.50	0.81
0.16	8.04	0.16	1.49	0.81
0.16	8.05	0.16	1.50	0.81
0.16	8.05	0.16	1.50	0.81
0.17	8.04	0.17	1.49	0.81
0.17	8.04	0.17	1.49	0.81
0.17	8.04	0.17	1.49	0.81
0.18	8.04	0.18	1.49	0.81
0.18	8.04	0.18	1.49	0.81
0.18	8.04	0.18	1.49	0.81
0.19	8.04	0.19	1.49	0.81
0.19	8.04	0.19	1.49	0.80
0.19	8.04	0.19	1.49	0.81
0.20	8.03	0.20	1.48	0.80
0.20	8.03	0.20	1.48	0.80
0.20	8.03	0.20	1.48	0.80
0.21	8.03	0.21	1.48	0.80
0.21	8.03	0.21	1.48	0.80
0.21	8.03	0.21	1.48	0.80
0.22	8.03	0.22	1.48	0.80
0.22	8.03	0.22	1.48	0.80
0.22	8.03	0.22	1.48	0.80
0.23	8.02	0.23	1.47	0.80
0.23	8.02	0.23	1.47	0.80
0.23	8.02	0.23	1.47	0.80
0.24	8.02	0.24	1.47	0.80
0.24	8.02	0.24	1.47	0.80
0.24	8.02	0.24	1.47	0.80
0.25	8.02	0.25	1.47	0.80
0.25	8.02	0.25	1.47	0.79
0.25	8.02	0.25	1.47	0.79
0.26	8.02	0.26	1.47	0.79
0.26	8.02	0.26	1.47	0.79
0.26	8.02	0.26	1.47	0.79
0.27	8.02	0.27	1.47	0.79
0.27	8.01	0.27	1.46	0.79
0.27	8.01	0.27	1.46	0.79
0.28	8.01	0.28	1.46	0.79
0.28	8.01	0.28	1.46	0.79
0.28	8.01	0.28	1.46	0.79
0.29	8.01	0.29	1.46	0.79
0.29	8.01	0.29	1.46	0.79
0.29	8.01	0.29	1.46	0.79
0.30	8.01	0.30	1.46	0.79
0.30	8.00	0.30	1.45	0.79
0.30	8.00	0.30	1.45	0.79
0.31	8.00	0.31	1.45	0.79
0.32	7.99	0.32	1.44	0.78
0.34	7.99	0.34	1.44	0.78
0.36	7.99	0.36	1.44	0.78
0.37	7.98	0.37	1.43	0.77
0.39	7.98	0.39	1.43	0.77
0.41	7.97	0.41	1.42	0.77
0.42	7.97	0.42	1.42	0.77
0.44	7.96	0.44	1.41	0.76
0.46	7.96	0.46	1.41	0.76
0.47	7.95	0.47	1.40	0.76
0.49	7.95	0.49	1.40	0.76
0.51	7.94	0.51	1.39	0.76
0.52	7.94	0.52	1.39	0.75
0.54	7.93	0.54	1.38	0.75
0.56	7.93	0.56	1.38	0.75

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.57	7.92	0.57	1.37	0.74
0.59	7.92	0.59	1.37	0.74
0.61	7.92	0.61	1.37	0.74
0.62	7.91	0.62	1.36	0.74
0.64	7.91	0.64	1.36	0.74
0.66	7.90	0.66	1.35	0.73
0.67	7.90	0.67	1.35	0.73
0.69	7.89	0.69	1.34	0.73
0.71	7.89	0.71	1.34	0.73
0.72	7.89	0.72	1.34	0.72
0.74	7.88	0.74	1.33	0.72
0.76	7.88	0.76	1.33	0.72
0.77	7.88	0.77	1.33	0.72
0.79	7.87	0.79	1.32	0.72
0.81	7.87	0.81	1.32	0.71
0.82	7.87	0.82	1.32	0.71
0.84	7.86	0.84	1.31	0.71
0.86	7.86	0.86	1.31	0.71
0.87	7.85	0.87	1.30	0.71
0.89	7.85	0.89	1.30	0.70
0.91	7.84	0.91	1.29	0.70
0.92	7.84	0.92	1.29	0.70
0.94	7.84	0.94	1.29	0.70
0.96	7.83	0.96	1.28	0.69
0.97	7.83	0.97	1.28	0.69
1.17	7.77	1.17	1.22	0.66
1.37	7.73	1.37	1.18	0.64
1.57	7.69	1.57	1.14	0.62
1.77	7.65	1.77	1.10	0.59
1.97	7.61	1.97	1.06	0.57
2.17	7.57	2.17	1.02	0.55
2.37	7.54	2.37	0.99	0.54
2.57	7.50	2.57	0.95	0.52
2.77	7.47	2.77	0.92	0.50
2.97	7.44	2.97	0.89	0.48
3.17	7.41	3.17	0.86	0.46
3.37	7.38	3.37	0.83	0.45
3.57	7.35	3.57	0.80	0.43
3.77	7.32	3.77	0.77	0.42
3.97	7.29	3.97	0.74	0.40
4.17	7.26	4.17	0.71	0.39
4.37	7.24	4.37	0.69	0.37
4.57	7.21	4.57	0.66	0.36
4.77	7.19	4.77	0.64	0.35
4.97	7.16	4.97	0.61	0.33
5.17	7.14	5.17	0.59	0.32
5.37	7.12	5.37	0.57	0.31
5.57	7.10	5.57	0.55	0.30
5.77	7.08	5.77	0.53	0.29
5.97	7.05	5.97	0.50	0.27
6.17	7.02	6.17	0.47	0.26
6.37	7.01	6.37	0.46	0.25
6.57	7.00	6.57	0.45	0.24
6.77	6.97	6.77	0.42	0.23
6.97	6.95	6.97	0.40	0.22
7.17	6.94	7.17	0.39	0.21
7.37	6.92	7.37	0.37	0.20
7.57	6.91	7.57	0.36	0.19
7.77	6.89	7.77	0.34	0.18
7.97	6.87	7.97	0.32	0.17
8.17	6.85	8.17	0.30	0.17
8.37	6.84	8.37	0.29	0.16
8.57	6.83	8.57	0.28	0.15
8.77	6.81	8.77	0.26	0.14

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
8.97	6.80	8.97	0.25	0.13
9.17	6.78	9.17	0.23	0.13
9.37	6.77	9.37	0.22	0.12
9.57	6.76	9.57	0.21	0.11
9.77	6.75	9.77	0.20	0.11
9.97	6.73	9.97	0.18	0.10
11.97	6.62	11.97	0.07	0.04
13.97	6.54	13.97	0.01	0.01



MW-3

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.13	108.214	0.1034	8.0640
		0.1333	108.206	0.1067	8.0560
		0.1366	108.214	0.1100	8.0640
		0.14	108.214	0.1134	8.0640
		0.1433	108.217	0.1167	8.0670
		0.1466	108.223	0.1200	8.0730
		0.15	108.2	0.1234	8.0500
		0.1533	108.188	0.1267	8.0380
		0.1566	108.103	0.1300	7.9530
		0.16	108.214	0.1334	8.0640
		0.1633	108.191	0.1367	8.0410
		0.1666	108.211	0.1400	8.0610
		0.17	108.2	0.1434	8.0500
		0.1733	108.197	0.1467	8.0470
		0.1766	108.206	0.1500	8.0560
		0.18	108.2	0.1534	8.0500
		0.1833	108.194	0.1567	8.0440
		0.1866	108.197	0.1600	8.0470
		0.19	108.197	0.1634	8.0470
		0.1933	108.194	0.1667	8.0440
		0.1966	108.191	0.1700	8.0410
		0.2	108.191	0.1734	8.0410
		0.2033	108.191	0.1767	8.0410
		0.2066	108.191	0.1800	8.0410
		0.21	108.188	0.1834	8.0380
		0.2133	108.188	0.1867	8.0380
		0.2166	108.185	0.1900	8.0350
		0.22	108.188	0.1934	8.0380
		0.2233	108.182	0.1967	8.0320
		0.2266	108.182	0.2000	8.0320
		0.23	108.182	0.2034	8.0320
		0.2333	108.179	0.2067	8.0290
		0.2366	108.182	0.2100	8.0320
		0.24	108.179	0.2134	8.0290
		0.2433	108.176	0.2167	8.0260
		0.2466	108.176	0.2200	8.0260
		0.25	108.176	0.2234	8.0260
		0.2533	108.173	0.2267	8.0230
		0.2566	108.173	0.2300	8.0230

MW-3

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.26	108.17	0.2334	8.0200
		0.2633	108.173	0.2367	8.0230
		0.2666	108.17	0.2400	8.0200
		0.27	108.17	0.2434	8.0200
		0.2733	108.17	0.2467	8.0200
		0.2766	108.167	0.2500	8.0170
		0.28	108.165	0.2534	8.0150
		0.2833	108.167	0.2567	8.0170
		0.2866	108.167	0.2600	8.0170
		0.29	108.165	0.2634	8.0150
		0.2933	108.165	0.2667	8.0150
		0.2966	108.162	0.2700	8.0120
		0.3	108.162	0.2734	8.0120
		0.3033	108.162	0.2767	8.0120
		0.3066	108.159	0.2800	8.0090
		0.31	108.159	0.2834	8.0090
		0.3133	108.159	0.2867	8.0090
		0.3166	108.159	0.2900	8.0090
		0.32	108.156	0.2934	8.0060
		0.3233	108.156	0.2967	8.0060
		0.3266	108.153	0.3000	8.0030
		0.33	108.153	0.3034	8.0030
		0.3333	108.153	0.3067	8.0030
		0.35	108.144	0.3234	7.9940
		0.3666	108.141	0.3400	7.9910
		0.3833	108.135	0.3567	7.9850
		0.4	108.129	0.3734	7.9790
		0.4166	108.126	0.3900	7.9760
		0.4333	108.12	0.4067	7.9700
		0.45	108.117	0.4234	7.9670
		0.4666	108.112	0.4400	7.9620
		0.4833	108.106	0.4567	7.9560
		0.5	108.103	0.4734	7.9530
		0.5166	108.097	0.4900	7.9470
		0.5333	108.094	0.5067	7.9440
		0.55	108.088	0.5234	7.9380
		0.5666	108.085	0.5400	7.9350
		0.5833	108.079	0.5567	7.9290
		0.6	108.073	0.5734	7.9230

MW-3

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 100.15
		0.6166	108.071	0.5900	7.9210
		0.6333	108.068	0.6067	7.9180
		0.65	108.062	0.6234	7.9120
		0.6666	108.059	0.6400	7.9090
		0.6833	108.053	0.6567	7.9030
		0.7	108.05	0.6734	7.9000
		0.7166	108.044	0.6900	7.8940
		0.7333	108.041	0.7067	7.8910
		0.75	108.038	0.7234	7.8880
		0.7666	108.035	0.7400	7.8850
		0.7833	108.029	0.7567	7.8790
		0.8	108.026	0.7734	7.8760
		0.8166	108.021	0.7900	7.8710
		0.8333	108.018	0.8067	7.8680
		0.85	108.015	0.8234	7.8650
		0.8666	108.009	0.8400	7.8590
		0.8833	108.006	0.8567	7.8560
		0.9	108.003	0.8734	7.8530
		0.9166	107.997	0.8900	7.8470
		0.9333	107.991	0.9067	7.8410
		0.95	107.991	0.9234	7.8410
		0.9666	107.988	0.9400	7.8380
		0.9833	107.982	0.9567	7.8320
		1	107.977	0.9734	7.8270
		1.2	107.924	1.1734	7.7740
		1.4	107.883	1.3734	7.7330
		1.6	107.842	1.5734	7.6920
		1.8	107.798	1.7734	7.6480
		2	107.759	1.9734	7.6090
		2.2	107.721	2.1734	7.5710
		2.4	107.689	2.3734	7.5390
		2.6	107.654	2.5734	7.5040
		2.8	107.618	2.7734	7.4680
		3	107.586	2.9734	7.4360
		3.2	107.557	3.1734	7.4070
		3.4	107.527	3.3734	7.3770
		3.6	107.498	3.5734	7.3480
		3.8	107.469	3.7734	7.3190
		4	107.442	3.9734	7.2920

MW-3

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
	5/19/00				correction= - 100.15
		4.2	107.413	4.1734	7.2630
		4.4	107.389	4.3734	7.2390
		4.6	107.363	4.5734	7.2130
		4.8	107.337	4.7734	7.1870
		5	107.313	4.9734	7.1630
		5.2	107.293	5.1734	7.1430
		5.4	107.269	5.3734	7.1190
		5.6	107.249	5.5734	7.0990
		5.8	107.228	5.7734	7.0780
		6	107.202	5.9734	7.0520
		6.2	107.175	6.1734	7.0250
		6.4	107.16	6.3734	7.0100
		6.6	107.146	6.5734	6.9960
		6.8	107.119	6.7734	6.9690
		7	107.102	6.9734	6.9520
		7.2	107.087	7.1734	6.9370
		7.4	107.069	7.3734	6.9190
		7.6	107.055	7.5734	6.9050
		7.8	107.037	7.7734	6.8870
		8	107.019	7.9734	6.8690
		8.2	107.005	8.1734	6.8550
		8.4	106.99	8.3734	6.8400
		8.6	106.978	8.5734	6.8280
		8.8	106.964	8.7734	6.8140
		9	106.949	8.9734	6.7990
		9.2	106.934	9.1734	6.7840
		9.4	106.925	9.3734	6.7750
		9.6	106.911	9.5734	6.7610
		9.8	106.896	9.7734	6.7460
		10	106.884	9.9734	6.7340
		12	106.773	11.9734	6.6230
		14	106.688	13.9734	6.5380

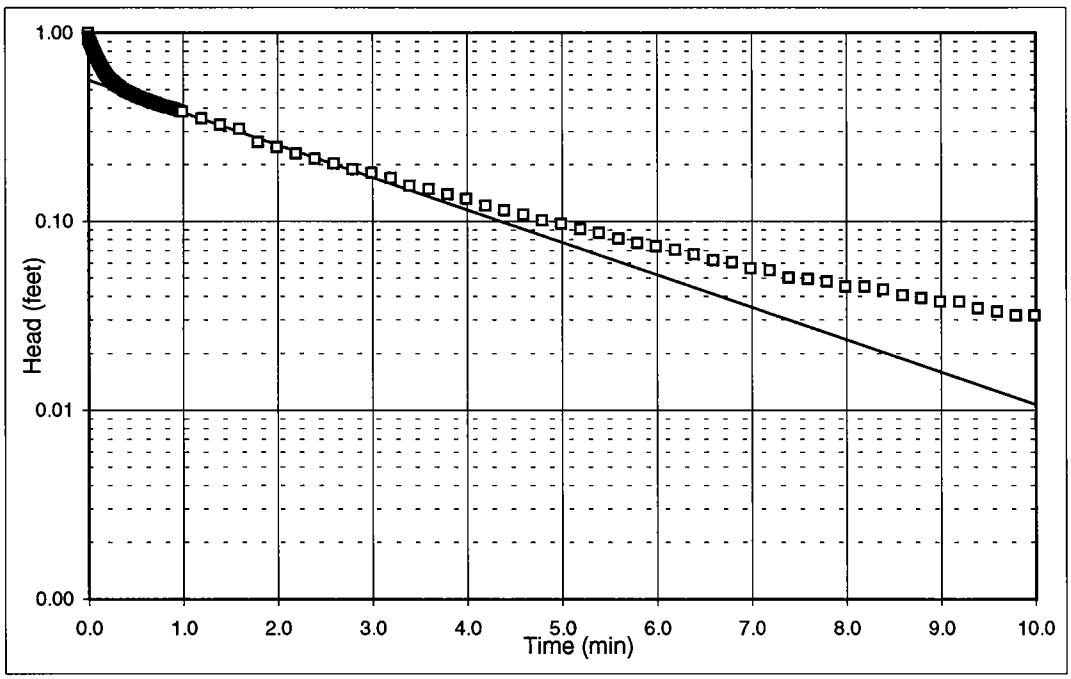
BOUWER AND RICE SLUG TEST ANALYSIS
RISING HEAD TEST MW-5

$$K = \frac{r_c^2 \ln\left(\frac{R_e}{r_w}\right)}{2L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

where:

r_c = casing radius (feet);
R_e = effective radius (feet);
L_e = length of screened interval (feet);
r_w = radial distance to undisturbed aquifer (feet)
y_0 = initial drawdown (feet)
y_t = drawdown (feet) at time t (minutes)

INPUT PARAMETERS		RESULTS		
r_c =	0.20			
r_w =	0.26			
L_e =	7.75	K=	1.40E-03	cm/sec
$\ln(R_e/r_w)$=	2.71	K=	3.96E+00	ft/day
y_0 =	0.56			
y_t =	0.01			
t =	10.0			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

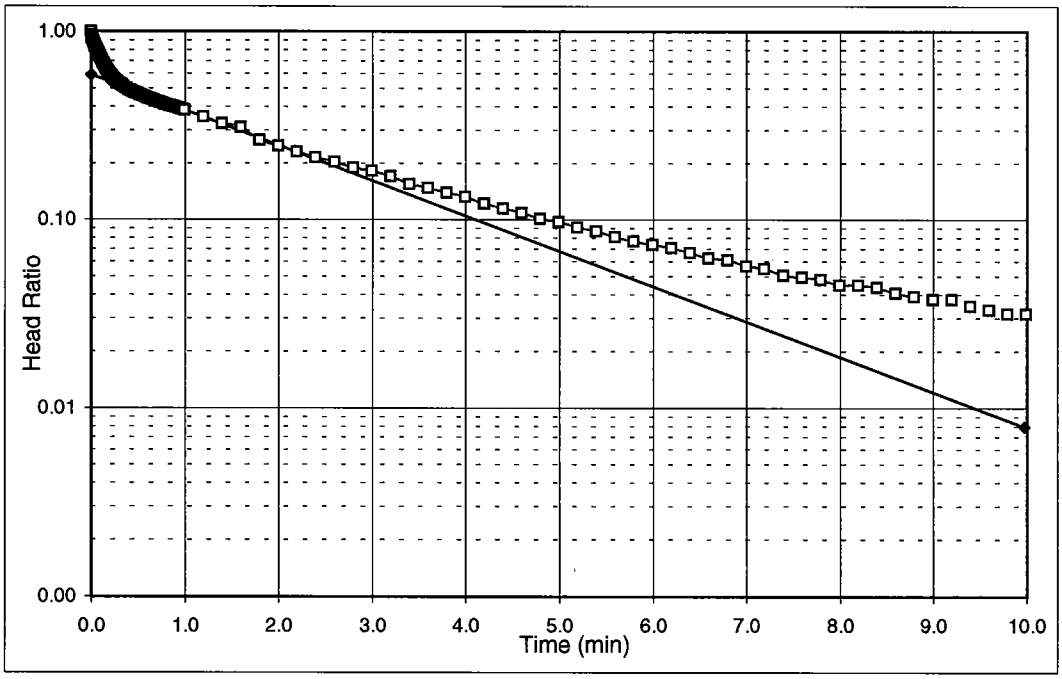
Analysis By: MJ
Checked By: SV
Analysis Date: 04/23/00

HVORSLEV SLUG TEST ANALYSIS
RISING HEAD TEST MW-5

$$K = \frac{r_c^2}{2L_e} \ln \frac{L_e}{R_e} \left[\frac{\ln\left(\frac{h_1}{h_2}\right)}{(t2 - t1)} \right] 30.48$$

where:
r_c = casing radius (feet)
R_e = equivalent radius (feet)
L_e = length of screened interval (feet)
t = time (minutes)
h_t = head at time t (feet)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
R_e =	0.26			
L_e =	7.75	K=	1.33E-03	cm/sec
t_1 =	0	K=	3.78E+00	ft/day
t_2 =	9.98			
h_1/h_0 =	0.59			
h_2/h_0 =	0.01			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

Analysis By: MJ
Checked By: SV
Analysis Date: 04/23/00

RISING HEAD TEST MW-5
WELL NO. MW-5

Bldg. 812
D.O.3M-3/M-2

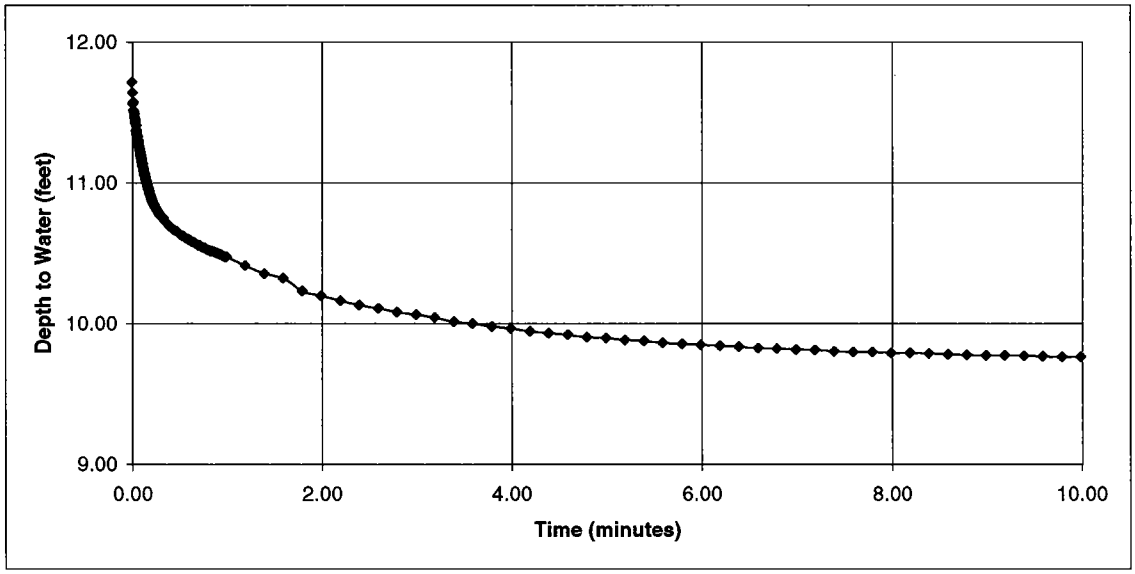
DATE	4/23/00	
INITIAL DEPTH TO WATER	9.7	FEET (btoc)
CASING DIAMETER	4	INCHES
SAND DIAMETER	6.25	INCHES
TOP OF OPEN INTERVAL	7.9	FEET (btoc)
BOTTOM OF OPEN INTERVAL	17.45	FEET (btoc)
SATURATED THICKNESS	7.75	FEET
WATER TABLE TO BOTTOM OF SCREEN	7.74	FEET
EQUIVALENT DIAMETER	4.79	INCHES
OPEN INTERVAL LENGTH	7.75	FEET
STATIC IN SCREEN?	Y	
MAX. HEAD CHANGE	2.02	FEET
MAX. HEAD IN SCREEN?	Y	

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.00	11.72	0.00	2.02	1.00
0.00	11.64	0.00	1.94	0.96
0.01	11.57	0.01	1.87	0.92
0.01	11.56	0.01	1.86	0.92
0.01	11.58	0.01	1.88	0.93
0.02	11.52	0.02	1.82	0.90
0.02	11.51	0.02	1.81	0.90
0.02	11.49	0.02	1.79	0.89
0.03	11.47	0.03	1.77	0.88
0.03	11.46	0.03	1.76	0.87
0.03	11.45	0.03	1.75	0.87
0.04	11.43	0.04	1.73	0.85
0.04	11.37	0.04	1.67	0.83
0.04	11.41	0.04	1.71	0.85
0.05	11.38	0.05	1.68	0.83
0.05	11.36	0.05	1.66	0.82
0.05	11.35	0.05	1.65	0.82
0.06	11.33	0.06	1.63	0.81
0.06	11.33	0.06	1.63	0.81
0.06	11.31	0.06	1.61	0.80
0.07	11.29	0.07	1.59	0.79
0.07	11.28	0.07	1.58	0.78
0.07	11.27	0.07	1.57	0.78
0.08	11.26	0.08	1.56	0.77
0.08	11.24	0.08	1.54	0.76
0.08	11.23	0.08	1.53	0.76
0.09	11.22	0.09	1.52	0.75
0.09	11.20	0.09	1.50	0.74
0.09	11.19	0.09	1.49	0.74
0.10	11.18	0.10	1.48	0.73
0.10	11.17	0.10	1.47	0.73
0.10	11.16	0.10	1.46	0.72
0.11	11.14	0.11	1.44	0.72
0.11	11.14	0.11	1.44	0.71
0.11	11.12	0.11	1.42	0.71
0.12	11.11	0.12	1.41	0.70
0.12	11.10	0.12	1.40	0.69
0.12	11.09	0.12	1.39	0.69
0.13	11.08	0.13	1.38	0.68
0.13	11.07	0.13	1.37	0.68
0.13	11.06	0.13	1.36	0.67
0.14	11.05	0.14	1.35	0.67
0.14	11.04	0.14	1.34	0.66
0.14	11.03	0.14	1.33	0.66

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.15	11.02	0.15	1.32	0.65
0.15	11.01	0.15	1.31	0.65
0.15	11.00	0.15	1.30	0.65
0.16	11.00	0.16	1.30	0.64
0.16	10.99	0.16	1.29	0.64
0.16	10.98	0.16	1.28	0.63
0.17	10.97	0.17	1.27	0.63
0.17	10.96	0.17	1.26	0.63
0.17	10.96	0.17	1.26	0.62
0.18	10.95	0.18	1.25	0.62
0.18	10.94	0.18	1.24	0.61
0.18	10.93	0.18	1.23	0.61
0.19	10.92	0.19	1.22	0.61
0.19	10.92	0.19	1.22	0.60
0.19	10.91	0.19	1.21	0.60
0.20	10.90	0.20	1.20	0.60
0.20	10.90	0.20	1.20	0.59
0.20	10.89	0.20	1.19	0.59
0.21	10.88	0.21	1.18	0.59
0.21	10.88	0.21	1.18	0.58
0.21	10.87	0.21	1.17	0.58
0.22	10.87	0.22	1.17	0.58
0.22	10.86	0.22	1.16	0.58
0.22	10.86	0.22	1.16	0.57
0.23	10.85	0.23	1.15	0.57
0.23	10.85	0.23	1.15	0.57
0.23	10.84	0.23	1.14	0.57
0.24	10.84	0.24	1.14	0.56
0.24	10.84	0.24	1.14	0.56
0.24	10.83	0.24	1.13	0.56
0.25	10.83	0.25	1.13	0.56
0.25	10.82	0.25	1.12	0.56
0.25	10.82	0.25	1.12	0.55
0.26	10.81	0.26	1.11	0.55
0.26	10.81	0.26	1.11	0.55
0.26	10.81	0.26	1.11	0.55
0.27	10.80	0.27	1.10	0.55
0.27	10.80	0.27	1.10	0.54
0.27	10.80	0.27	1.10	0.54
0.28	10.79	0.28	1.09	0.54
0.28	10.79	0.28	1.09	0.54
0.28	10.78	0.28	1.08	0.54
0.29	10.78	0.29	1.08	0.53
0.29	10.78	0.29	1.08	0.53
0.29	10.77	0.29	1.07	0.53
0.30	10.77	0.30	1.07	0.53
0.30	10.77	0.30	1.07	0.53
0.30	10.77	0.30	1.07	0.53
0.31	10.76	0.31	1.06	0.53
0.31	10.76	0.31	1.06	0.53
0.31	10.76	0.31	1.06	0.53
0.32	10.76	0.32	1.06	0.52
0.32	10.76	0.32	1.06	0.52
0.32	10.76	0.32	1.06	0.52
0.33	10.75	0.33	1.05	0.52
0.33	10.75	0.33	1.05	0.52
0.35	10.73	0.35	1.03	0.51
0.36	10.72	0.36	1.02	0.50
0.38	10.71	0.38	1.01	0.50
0.40	10.69	0.40	0.99	0.49
0.41	10.68	0.41	0.98	0.49
0.43	10.67	0.43	0.97	0.48
0.45	10.67	0.45	0.97	0.48
0.46	10.66	0.46	0.96	0.47

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.48	10.65	0.48	0.95	0.47
0.50	10.64	0.50	0.94	0.47
0.51	10.63	0.51	0.93	0.46
0.53	10.63	0.53	0.93	0.46
0.55	10.62	0.55	0.92	0.46
0.56	10.61	0.56	0.91	0.45
0.58	10.61	0.58	0.91	0.45
0.60	10.60	0.60	0.90	0.44
0.61	10.59	0.61	0.89	0.44
0.63	10.59	0.63	0.89	0.44
0.65	10.58	0.65	0.88	0.44
0.66	10.57	0.66	0.87	0.43
0.68	10.57	0.68	0.87	0.43
0.70	10.56	0.70	0.86	0.43
0.71	10.56	0.71	0.86	0.43
0.73	10.55	0.73	0.85	0.42
0.75	10.54	0.75	0.84	0.42
0.76	10.54	0.76	0.84	0.42
0.78	10.53	0.78	0.83	0.41
0.80	10.53	0.80	0.83	0.41
0.81	10.52	0.81	0.82	0.41
0.83	10.52	0.83	0.82	0.40
0.85	10.51	0.85	0.81	0.40
0.86	10.51	0.86	0.81	0.40
0.88	10.51	0.88	0.81	0.40
0.90	10.50	0.90	0.80	0.40
0.91	10.50	0.91	0.80	0.39
0.93	10.49	0.93	0.79	0.39
0.95	10.49	0.95	0.79	0.39
0.96	10.48	0.96	0.78	0.39
0.98	10.48	0.98	0.78	0.38
1.00	10.47	1.00	0.77	0.38
1.20	10.41	1.20	0.71	0.35
1.40	10.36	1.40	0.66	0.33
1.60	10.32	1.60	0.62	0.31
1.80	10.23	1.80	0.53	0.26
2.00	10.20	2.00	0.50	0.25
2.20	10.16	2.20	0.46	0.23
2.40	10.13	2.40	0.43	0.21
2.60	10.11	2.60	0.41	0.20
2.80	10.08	2.80	0.38	0.19
3.00	10.07	3.00	0.37	0.18
3.20	10.04	3.20	0.34	0.17
3.40	10.01	3.40	0.31	0.16
3.60	10.00	3.60	0.30	0.15
3.80	9.98	3.80	0.28	0.14
4.00	9.97	4.00	0.27	0.13
4.20	9.95	4.20	0.25	0.12
4.40	9.93	4.40	0.23	0.11
4.60	9.92	4.60	0.22	0.11
4.80	9.91	4.80	0.21	0.10
5.00	9.90	5.00	0.20	0.10
5.20	9.88	5.20	0.18	0.09
5.40	9.88	5.40	0.18	0.09
5.60	9.86	5.60	0.16	0.08
5.80	9.86	5.80	0.16	0.08
6.00	9.85	6.00	0.15	0.07
6.20	9.84	6.20	0.14	0.07
6.40	9.83	6.40	0.13	0.07
6.60	9.83	6.60	0.13	0.06
6.80	9.82	6.80	0.12	0.06
7.00	9.81	7.00	0.11	0.06
7.20	9.81	7.20	0.11	0.06
7.40	9.80	7.40	0.10	0.05

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
7.60	9.80	7.60	0.10	0.05
7.80	9.80	7.80	0.10	0.05
8.00	9.79	8.00	0.09	0.05
8.20	9.79	8.20	0.09	0.05
8.40	9.79	8.40	0.09	0.04
8.60	9.78	8.60	0.08	0.04
8.80	9.78	8.80	0.08	0.04
9.00	9.78	9.00	0.08	0.04
9.20	9.78	9.20	0.08	0.04
9.40	9.77	9.40	0.07	0.03
9.60	9.77	9.60	0.07	0.03
9.80	9.76	9.80	0.06	0.03
10.00	9.76	10.00	0.06	0.03



MW-5

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 104.5
		0.0000	115.4270		
		0.0033	116.2180	0.0000	11.7180
		0.0066	116.1420	0.0033	11.6420
		0.01	116.066	0.0067	11.5660
		0.0133	116.063	0.0100	11.5630
		0.0166	116.075	0.0133	11.5750
		0.02	116.016	0.0167	11.5160
		0.0233	116.01	0.0200	11.5100
		0.0266	115.99	0.0233	11.4900
		0.03	115.969	0.0267	11.4690
		0.0333	115.96	0.0300	11.4600
		0.0366	115.946	0.0333	11.4460
		0.04	115.925	0.0367	11.4250
		0.0433	115.873	0.0400	11.3730
		0.0466	115.908	0.0433	11.4080
		0.05	115.875	0.0467	11.3750
		0.533	115.861	0.5297	11.3610
		0.566	115.846	0.5627	11.3460
		0.06	115.829	0.0567	11.3290
		0.0633	115.826	0.0600	11.3260
		0.0666	115.805	0.0633	11.3050
		0.07	115.793	0.0667	11.2930
		0.0733	115.782	0.0700	11.2820
		0.0766	115.767	0.0733	11.2670
		0.08	115.755	0.0767	11.2550
		0.0833	115.741	0.0800	11.2410
		0.0866	115.732	0.0833	11.2320
		0.09	115.717	0.0867	11.2170
		0.0933	115.7	0.0900	11.2000
		0.0966	115.694	0.0933	11.1940
		0.1	115.682	0.0967	11.1820
		0.1033	115.67	0.1000	11.1700
		0.1066	115.656	0.1033	11.1560
		0.11	115.644	0.1067	11.1440
		0.1133	115.635	0.1100	11.1350
		0.1166	115.624	0.1133	11.1240
		0.12	115.612	0.1167	11.1120
		0.1233	115.6	0.1200	11.1000
		0.1266	115.588	0.1233	11.0880

MW-5

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
	5/19/00				correction= - 104.5
		0.13	115.58	0.1267	11.0800
		0.1333	115.568	0.1300	11.0680
		0.1366	115.559	0.1333	11.0590
		0.14	115.55	0.1367	11.0500
		0.1433	115.539	0.1400	11.0390
		0.1466	115.53	0.1433	11.0300
		0.15	115.521	0.1467	11.0210
		0.1533	115.512	0.1500	11.0120
		0.1566	115.503	0.1533	11.0030
		0.16	115.495	0.1567	10.9950
		0.1633	115.486	0.1600	10.9860
		0.1666	115.477	0.1633	10.9770
		0.17	115.468	0.1667	10.9680
		0.1733	115.462	0.1700	10.9620
		0.1766	115.456	0.1733	10.9560
		0.18	115.448	0.1767	10.9480
		0.1833	115.439	0.1800	10.9390
		0.1866	115.43	0.1833	10.9300
		0.19	115.422	0.1867	10.9220
		0.1933	115.416	0.1900	10.9160
		0.1966	115.41	0.1933	10.9100
		0.2	115.404	0.1967	10.9040
		0.2033	115.398	0.2000	10.8980
		0.2066	115.389	0.2033	10.8890
		0.21	115.383	0.2067	10.8830
		0.2133	15.375	0.2100	-89.1250
		0.2166	115.372	0.2133	10.8720
		0.22	115.366	0.2167	10.8660
		0.2233	115.363	0.2200	10.8630
		0.2266	115.357	0.2233	10.8570
		0.23	115.351	0.2267	10.8510
		0.2333	115.348	0.2300	10.8480
		0.2366	115.342	0.2333	10.8420
		0.24	115.337	0.2367	10.8370
		0.2433	115.337	0.2400	10.8370
		0.2466	115.331	0.2433	10.8310
		0.25	115.325	0.2467	10.8250
		0.2533	115.322	0.2500	10.8220
		0.2566	115.319	0.2533	10.8190

MW-5

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 104.5
		0.26	115.313	0.2567	10.8130
		0.2633	115.313	0.2600	10.8130
		0.2666	115.307	0.2633	10.8070
		0.27	115.301	0.2667	10.8010
		0.2733	115.298	0.2700	10.7980
		0.2766	115.296	0.2733	10.7960
		0.28	115.293	0.2767	10.7930
		0.2833	115.29	0.2800	10.7900
		0.2866	115.284	0.2833	10.7840
		0.29	115.278	0.2867	10.7780
		0.2933	115.275	0.2900	10.7750
		0.2966	115.272	0.2933	10.7720
		0.3	115.272	0.2967	10.7720
		0.3033	115.269	0.3000	10.7690
		0.3066	115.266	0.3033	10.7660
		0.31	115.263	0.3067	10.7630
		0.3133	115.263	0.3100	10.7630
		0.3166	115.26	0.3133	10.7600
		0.32	115.257	0.3167	10.7570
		0.3233	115.255	0.3200	10.7550
		0.3266	115.255	0.3233	10.7550
		0.33	115.252	0.3267	10.7520
		0.3333	115.246	0.3300	10.7460
		0.35	115.231	0.3467	10.7310
		0.3666	115.216	0.3633	10.7160
		0.3833	115.205	0.3800	10.7050
		0.4	115.193	0.3967	10.6930
		0.4166	115.184	0.4133	10.6840
		0.4333	115.173	0.4300	10.6730
		0.45	115.167	0.4467	10.6670
		0.4666	115.158	0.4633	10.6580
		0.4833	115.152	0.4800	10.6520
		0.5	115.143	0.4967	10.6430
		0.5166	115.131	0.5133	10.6310
		0.5333	115.126	0.5300	10.6260
		0.55	115.12	0.5467	10.6200
		0.5666	115.111	0.5633	10.6110
		0.5833	115.105	0.5800	10.6050
		0.6	115.096	0.5967	10.5960

MW-5

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 104.5
		0.6166	115.093	0.6133	10.5930
		0.6333	115.085	0.6300	10.5850
		0.65	115.079	0.6467	10.5790
		0.6666	115.073	0.6633	10.5730
		0.6833	115.067	0.6800	10.5670
		0.7	115.058	0.6967	10.5580
		0.7166	115.058	0.7133	10.5580
		0.7333	115.049	0.7300	10.5490
		0.75	115.044	0.7467	10.5440
		0.7666	115.038	0.7633	10.5380
		0.7833	115.032	0.7800	10.5320
		0.8	115.026	0.7967	10.5260
		0.8166	115.023	0.8133	10.5230
		0.8333	115.017	0.8300	10.5170
		0.85	115.014	0.8467	10.5140
		0.8666	115.011	0.8633	10.5110
		0.8833	115.006	0.8800	10.5060
		0.9	115.003	0.8967	10.5030
		0.9166	114.997	0.9133	10.4970
		0.9333	114.991	0.9300	10.4910
		0.95	114.988	0.9467	10.4880
		0.9666	114.982	0.9633	10.4820
		0.9833	114.976	0.9800	10.4760
		1	114.973	0.9967	10.4730
		1.2	114.912	1.1967	10.4120
		1.4	114.856	1.3967	10.3560
		1.6	114.824	1.5967	10.3240
		1.8	114.733	1.7967	10.2330
		2	114.698	1.9967	10.1980
		2.2	114.663	2.1967	10.1630
		2.4	114.633	2.3967	10.1330
		2.6	114.61	2.5967	10.1100
		2.8	114.581	2.7967	10.0810
		3	114.566	2.9967	10.0660
		3.2	114.543	3.1967	10.0430
		3.4	114.513	3.3967	10.0130
		3.6	114.499	3.5967	9.9990
		3.8	114.481	3.7967	9.9810
		4	114.467	3.9967	9.9670

MW-5

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
	5/19/00				correction= - 104.5
		4.2	114.446	4.1967	9.9460
		4.4	114.431	4.3967	9.9310
		4.6	114.42	4.5967	9.9200
		4.8	114.405	4.7967	9.9050
		5	114.396	4.9967	9.8960
		5.2	114.384	5.1967	9.8840
		5.4	114.376	5.3967	9.8760
		5.6	114.364	5.5967	9.8640
		5.8	114.355	5.7967	9.8550
		6	114.349	5.9967	9.8490
		6.2	114.343	6.1967	9.8430
		6.4	114.335	6.3967	9.8350
		6.6	114.326	6.5967	9.8260
		6.8	114.323	6.7967	9.8230
		7	114.314	6.9967	9.8140
		7.2	114.311	7.1967	9.8110
		7.4	114.302	7.3967	9.8020
		7.6	114.3	7.5967	9.8000
		7.8	114.297	7.7967	9.7970
		8	114.291	7.9967	9.7910
		8.2	114.291	8.1967	9.7910
		8.4	114.288	8.3967	9.7880
		8.6	114.282	8.5967	9.7820
		8.8	114.279	8.7967	9.7790
		9	114.276	8.9967	9.7760
		9.2	114.276	9.1967	9.7760
		9.4	114.27	9.3967	9.7700
		9.6	114.267	9.5967	9.7670
		9.8	114.264	9.7967	9.7640
		10	114.264	9.9967	9.7640

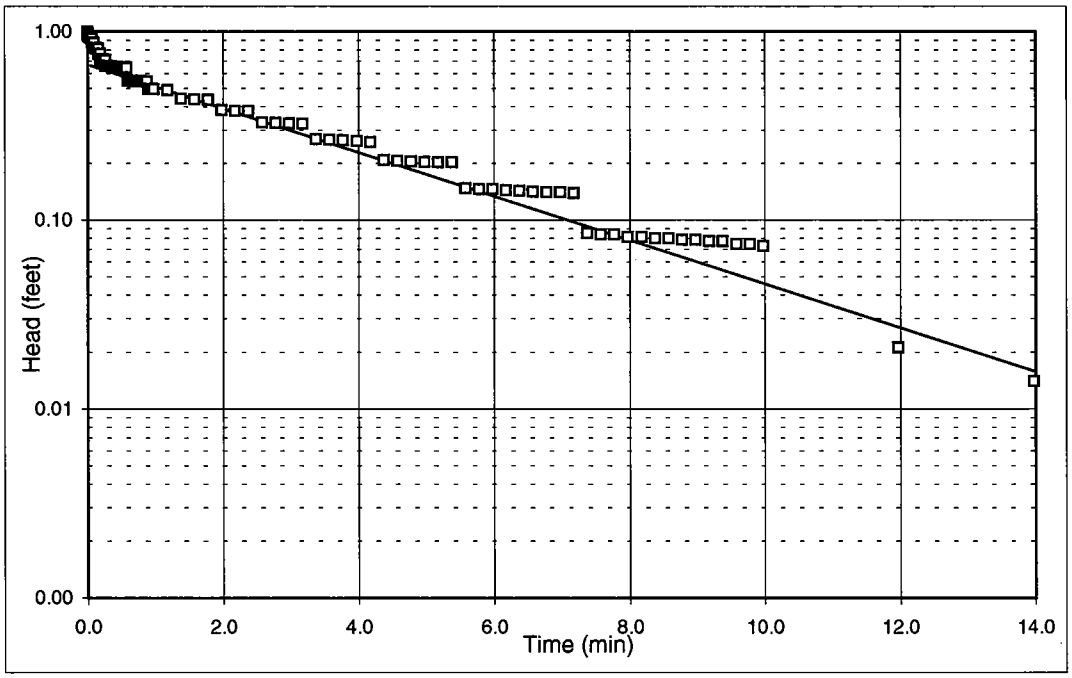
BOUWER AND RICE SLUG TEST ANALYSIS
RISING HEAD TEST MW-8

$$K = \frac{r_c^2 \ln\left(\frac{R_e}{r_w}\right)}{2L_e} \frac{1}{t} \ln\frac{y_0}{y_t}$$

where:

r_c = casing radius (feet);
R_e = effective radius (feet);
L_e = length of screened interval (feet);
r_w = radial distance to undisturbed aquifer (feet)
y_0 = initial drawdown (feet)
y_t = drawdown (feet) at time t (minutes)

INPUT PARAMETERS		RESULTS		
r_c =	0.20			
r_w =	0.26			
L_e =	8.85	K=	8.34E-04	cm/sec
$\ln(R_e/r_w)$=	2.73	K=	2.36E+00	ft/day
y_0 =	0.66			
y_t =	0.02			
t =	14.0			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

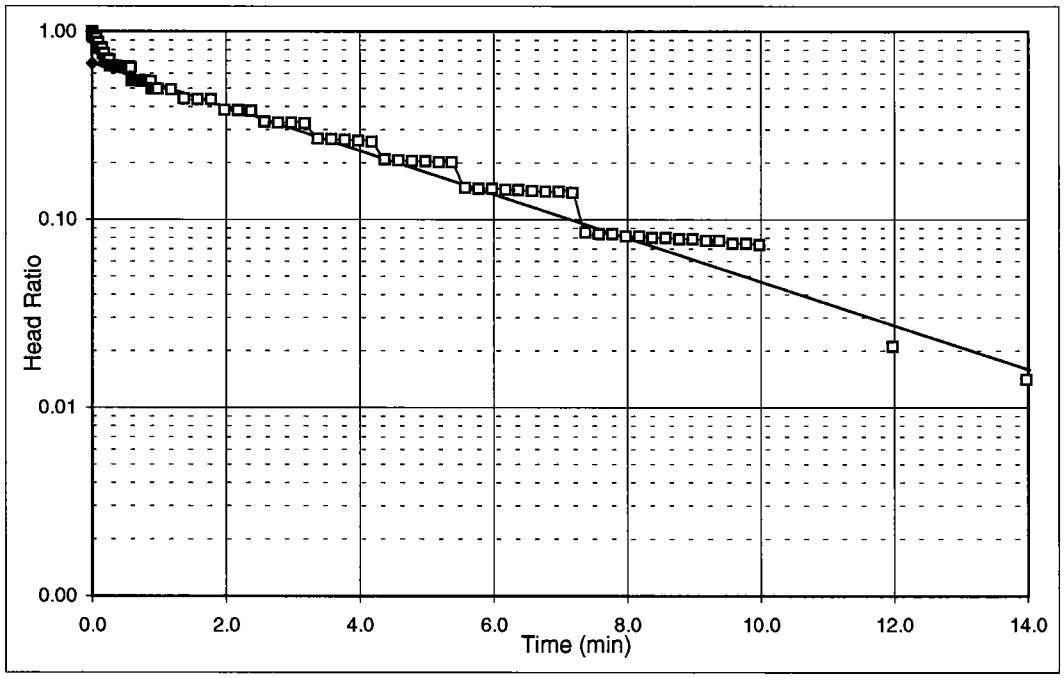
Analysis By: MJ
Checked By: SV
Analysis Date: 04/23/00

HVORSLEV SLUG TEST ANALYSIS
RISING HEAD TEST MW-8

$$K = \frac{r_c^2}{2L_e} \ln \frac{L_e}{R_e} \left[\frac{\ln\left(\frac{h_1}{h_2}\right)}{(t2 - t1)} \right] 30.48$$

where:
r_c = casing radius (feet)
R_e = equivalent radius (feet)
L_e = length of screened interval (feet)
t = time (minutes)
h_t = head at time t (feet)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
R_e =	0.26			
L_e =	8.85	K=	7.52E-04	cm/sec
t_1 =	0	K=	2.13E+00	ft/day
t_2 =	14.03			
h_1/h_0 =	0.68			
h_2/h_0 =	0.02			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

Analysis By: MJ
Checked By: SV
Analysis Date: 04/23/00

RISING HEAD TEST MW-8
WELL NO. MW-8

Bldg. 812
D.O.3M-3/M-2

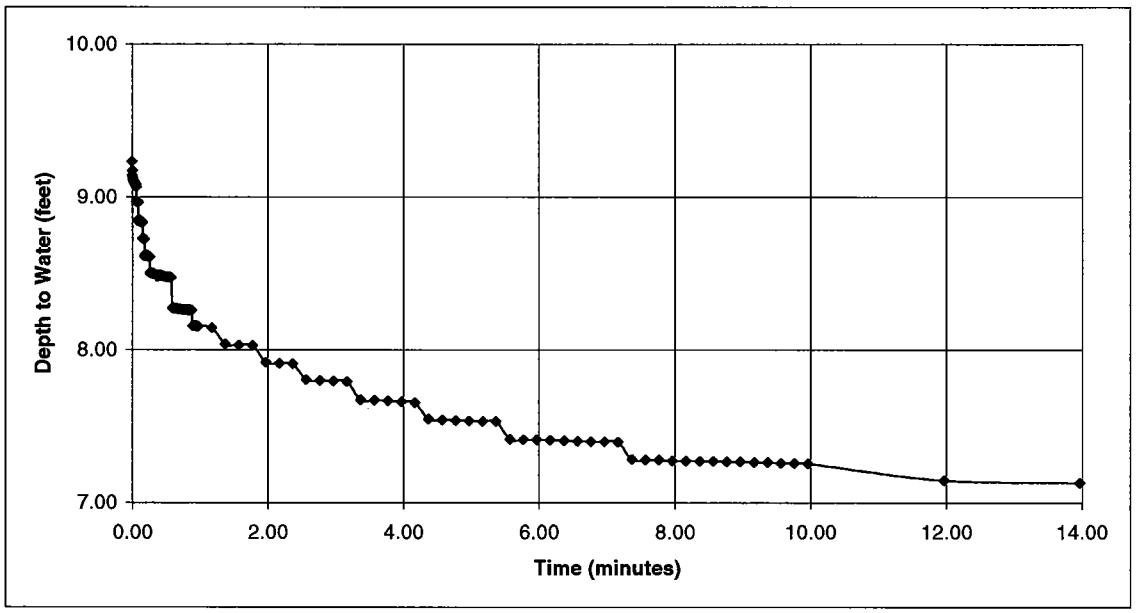
DATE	4/23/00	
INITIAL DEPTH TO WATER	7.1	FEET (btoc)
CASING DIAMETER	4	INCHES
SAND DIAMETER	6.25	INCHES
TOP OF OPEN INTERVAL	6.4	FEET (btoc)
BOTTOM OF OPEN INTERVAL	15.95	FEET (btoc)
SATURATED THICKNESS	7.75	FEET
WATER TABLE TO BOTTOM OF SCREEN	7.74	FEET
EQUIVALENT DIAMETER	4.79	INCHES
OPEN INTERVAL LENGTH	8.85	FEET
STATIC IN SCREEN?	Y	
MAX. HEAD CHANGE	2.13	FEET
MAX. HEAD IN SCREEN?	Y	

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.00	9.23	0.00	2.13	1.00
0.00	9.14	0.00	2.04	0.96
0.01	9.17	0.01	2.07	0.97
0.01	9.14	0.01	2.04	0.95
0.01	9.12	0.01	2.02	0.95
0.02	9.12	0.02	2.02	0.95
0.02	9.11	0.02	2.01	0.94
0.02	9.10	0.02	2.00	0.94
0.03	9.10	0.03	2.00	0.94
0.03	9.10	0.03	2.00	0.94
0.03	9.09	0.03	1.99	0.93
0.04	9.10	0.04	2.00	0.94
0.04	9.09	0.04	1.99	0.93
0.04	9.09	0.04	1.99	0.93
0.05	9.08	0.05	1.98	0.93
0.05	9.08	0.05	1.98	0.93
0.05	9.08	0.05	1.98	0.93
0.06	9.08	0.06	1.98	0.93
0.06	9.07	0.06	1.97	0.93
0.06	9.07	0.06	1.97	0.92
0.07	8.97	0.07	1.87	0.88
0.07	8.97	0.07	1.87	0.88
0.07	8.97	0.07	1.87	0.88
0.08	8.97	0.08	1.87	0.88
0.08	8.97	0.08	1.87	0.88
0.08	8.97	0.08	1.87	0.88
0.09	8.97	0.09	1.87	0.88
0.09	8.96	0.09	1.86	0.87
0.09	8.84	0.09	1.74	0.82
0.10	8.85	0.10	1.75	0.82
0.10	8.85	0.10	1.75	0.82
0.10	8.85	0.10	1.75	0.82
0.11	8.85	0.11	1.75	0.82
0.11	8.85	0.11	1.75	0.82
0.11	8.85	0.11	1.75	0.82
0.12	8.84	0.12	1.74	0.82
0.12	8.84	0.12	1.74	0.82
0.12	8.84	0.12	1.74	0.82
0.13	8.84	0.13	1.74	0.82
0.13	8.84	0.13	1.74	0.81
0.13	8.84	0.13	1.74	0.82
0.14	8.84	0.14	1.74	0.81
0.14	8.84	0.14	1.74	0.81
0.14	8.83	0.14	1.73	0.81

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.15	8.83	0.15	1.73	0.81
0.15	8.83	0.15	1.73	0.81
0.15	8.83	0.15	1.73	0.81
0.16	8.73	0.16	1.63	0.76
0.16	8.73	0.16	1.63	0.76
0.16	8.73	0.16	1.63	0.76
0.17	8.73	0.17	1.63	0.76
0.17	8.73	0.17	1.63	0.76
0.17	8.73	0.17	1.63	0.76
0.18	8.72	0.18	1.62	0.76
0.18	8.72	0.18	1.62	0.76
0.18	8.72	0.18	1.62	0.76
0.19	8.61	0.19	1.51	0.71
0.19	8.62	0.19	1.52	0.71
0.19	8.62	0.19	1.52	0.71
0.20	8.62	0.20	1.52	0.71
0.20	8.62	0.20	1.52	0.71
0.20	8.62	0.20	1.52	0.71
0.21	8.62	0.21	1.52	0.71
0.21	8.62	0.21	1.52	0.71
0.21	8.62	0.21	1.52	0.71
0.22	8.62	0.22	1.52	0.71
0.22	8.62	0.22	1.52	0.71
0.22	8.62	0.22	1.52	0.71
0.23	8.62	0.23	1.52	0.71
0.23	8.61	0.23	1.51	0.71
0.23	8.61	0.23	1.51	0.71
0.24	8.62	0.24	1.52	0.71
0.24	8.61	0.24	1.51	0.71
0.24	8.61	0.24	1.51	0.71
0.25	8.61	0.25	1.51	0.71
0.25	8.61	0.25	1.51	0.71
0.25	8.61	0.25	1.51	0.71
0.26	8.61	0.26	1.51	0.71
0.26	8.61	0.26	1.51	0.71
0.26	8.50	0.26	1.40	0.66
0.27	8.51	0.27	1.41	0.66
0.27	8.51	0.27	1.41	0.66
0.27	8.51	0.27	1.41	0.66
0.28	8.50	0.28	1.40	0.66
0.28	8.50	0.28	1.40	0.66
0.28	8.50	0.28	1.40	0.66
0.29	8.50	0.29	1.40	0.66
0.29	8.50	0.29	1.40	0.66
0.29	8.50	0.29	1.40	0.66
0.30	8.50	0.30	1.40	0.66
0.30	8.50	0.30	1.40	0.66
0.30	8.50	0.30	1.40	0.66
0.31	8.50	0.31	1.40	0.66
0.31	8.50	0.31	1.40	0.66
0.33	8.50	0.33	1.40	0.66
0.34	8.49	0.34	1.39	0.65
0.36	8.49	0.36	1.39	0.65
0.38	8.48	0.38	1.38	0.65
0.39	8.49	0.39	1.39	0.65
0.41	8.49	0.41	1.39	0.65
0.43	8.49	0.43	1.39	0.65
0.44	8.48	0.44	1.38	0.65
0.46	8.48	0.46	1.38	0.65
0.48	8.48	0.48	1.38	0.65
0.49	8.48	0.49	1.38	0.65
0.51	8.48	0.51	1.38	0.65
0.53	8.48	0.53	1.38	0.65
0.54	8.48	0.54	1.38	0.65

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.56	8.47	0.56	1.37	0.64
0.58	8.47	0.58	1.37	0.64
0.59	8.27	0.59	1.17	0.55
0.61	8.27	0.61	1.17	0.55
0.63	8.27	0.63	1.17	0.55
0.64	8.27	0.64	1.17	0.55
0.66	8.27	0.66	1.17	0.55
0.68	8.27	0.68	1.17	0.55
0.69	8.27	0.69	1.17	0.55
0.71	8.27	0.71	1.17	0.55
0.73	8.26	0.73	1.16	0.55
0.74	8.26	0.74	1.16	0.55
0.76	8.26	0.76	1.16	0.55
0.78	8.26	0.78	1.16	0.55
0.79	8.26	0.79	1.16	0.55
0.81	8.26	0.81	1.16	0.54
0.83	8.26	0.83	1.16	0.54
0.84	8.26	0.84	1.16	0.54
0.86	8.26	0.86	1.16	0.54
0.88	8.26	0.88	1.16	0.54
0.89	8.16	0.89	1.06	0.50
0.91	8.16	0.91	1.06	0.50
0.93	8.16	0.93	1.06	0.50
0.94	8.16	0.94	1.06	0.49
0.96	8.16	0.96	1.06	0.50
0.98	8.16	0.98	1.06	0.49
1.18	8.14	1.18	1.04	0.49
1.38	8.04	1.38	0.94	0.44
1.58	8.03	1.58	0.93	0.44
1.78	8.03	1.78	0.93	0.44
1.98	7.92	1.98	0.82	0.38
2.18	7.91	2.18	0.81	0.38
2.38	7.91	2.38	0.81	0.38
2.58	7.80	2.58	0.70	0.33
2.78	7.80	2.78	0.70	0.33
2.98	7.79	2.98	0.69	0.33
3.18	7.79	3.18	0.69	0.32
3.38	7.67	3.38	0.57	0.27
3.58	7.67	3.58	0.57	0.27
3.78	7.67	3.78	0.57	0.27
3.98	7.66	3.98	0.56	0.26
4.18	7.65	4.18	0.55	0.26
4.38	7.55	4.38	0.45	0.21
4.58	7.54	4.58	0.44	0.21
4.78	7.54	4.78	0.44	0.20
4.98	7.53	4.98	0.43	0.20
5.18	7.53	5.18	0.43	0.20
5.38	7.53	5.38	0.43	0.20
5.58	7.41	5.58	0.31	0.15
5.78	7.41	5.78	0.31	0.15
5.98	7.41	5.98	0.31	0.15
6.18	7.41	6.18	0.31	0.14
6.38	7.41	6.38	0.31	0.14
6.58	7.40	6.58	0.30	0.14
6.78	7.40	6.78	0.30	0.14
6.98	7.40	6.98	0.30	0.14
7.18	7.40	7.18	0.30	0.14
7.38	7.28	7.38	0.18	0.09
7.58	7.28	7.58	0.18	0.08
7.78	7.28	7.78	0.18	0.08
7.98	7.27	7.98	0.17	0.08
8.18	7.27	8.18	0.17	0.08
8.38	7.27	8.38	0.17	0.08
8.58	7.27	8.58	0.17	0.08

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
8.78	7.27	8.78	0.17	0.08
8.98	7.27	8.98	0.17	0.08
9.18	7.27	9.18	0.17	0.08
9.38	7.27	9.38	0.17	0.08
9.58	7.26	9.58	0.16	0.07
9.78	7.26	9.78	0.16	0.07
9.98	7.26	9.98	0.16	0.07
11.98	7.15	11.98	0.04	0.02
13.98	7.13	13.98	0.03	0.01



MW-8

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 106.9
		0.0000	113.5050		
		0.0033	113.5050		
		0.0066	114.0360		
		0.01	114.509		
		0.0133	114.683		
		0.0166	115.114		
		0.02	115.02		
		0.0233	116.133	0.0000	9.2330
		0.0266	116.042	0.0033	9.1420
		0.03	116.072	0.0067	9.1720
		0.0333	116.037	0.0100	9.1370
		0.0366	116.022	0.0133	9.1220
		0.04	116.016	0.0167	9.1160
		0.0433	116.01	0.0200	9.1100
		0.0466	116.004	0.0233	9.1040
		0.05	116.001	0.0267	9.1010
		0.533	115.998	0.5097	9.0980
		0.566	115.993	0.5427	9.0930
		0.06	116.001	0.0367	9.1010
		0.0633	115.99	0.0400	9.0900
		0.0666	115.987	0.0433	9.0870
		0.07	115.984	0.0467	9.0840
		0.0733	115.981	0.0500	9.0810
		0.0766	115.981	0.0533	9.0810
		0.08	115.978	0.0567	9.0780
		0.0833	115.975	0.0600	9.0750
		0.0866	115.967	0.0633	9.0670
		0.09	115.87	0.0667	8.9700
		0.0933	115.87	0.0700	8.9700
		0.0966	115.87	0.0733	8.9700
		0.1	115.87	0.0767	8.9700
		0.1033	115.867	0.0800	8.9670
		0.1066	115.867	0.0833	8.9670
		0.11	115.867	0.0867	8.9670
		0.1133	115.864	0.0900	8.9640
		0.1166	115.744	0.0933	8.8440
		0.12	115.752	0.0967	8.8520
		0.1233	115.752	0.1000	8.8520
		0.1266	115.75	0.1033	8.8500

MW-8

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 106.9
		0.13	115.75	0.1067	8.8500
		0.1333	115.75	0.1100	8.8500
		0.1366	115.747	0.1133	8.8470
		0.14	115.744	0.1167	8.8440
		0.1433	115.744	0.1200	8.8440
		0.1466	115.744	0.1233	8.8440
		0.15	115.744	0.1267	8.8440
		0.1533	115.738	0.1300	8.8380
		0.1566	115.741	0.1333	8.8410
		0.16	115.738	0.1367	8.8380
		0.1633	115.738	0.1400	8.8380
		0.1666	115.732	0.1433	8.8320
		0.17	115.735	0.1467	8.8350
		0.1733	115.0732	0.1500	8.1732
		0.1766	115.732	0.1533	8.8320
		0.18	115.629	0.1567	8.7290
		0.1833	115.629	0.1600	8.7290
		0.1866	115.629	0.1633	8.7290
		0.19	115.626	0.1667	8.7260
		0.1933	115.626	0.1700	8.7260
		0.1966	115.626	0.1733	8.7260
		0.2	115.624	0.1767	8.7240
		0.2033	115.624	0.1800	8.7240
		0.2066	115.624	0.1833	8.7240
		0.21	115.512	0.1867	8.6120
		0.2133	115.524	0.1900	8.6240
		0.2166	115.524	0.1933	8.6240
		0.22	115.524	0.1967	8.6240
		0.2233	115.521	0.2000	8.6210
		0.2266	115.518	0.2033	8.6180
		0.23	115.518	0.2067	8.6180
		0.2333	115.518	0.2100	8.6180
		0.2366	115.518	0.2133	8.6180
		0.24	115.518	0.2167	8.6180
		0.2433	115.518	0.2200	8.6180
		0.2466	115.515	0.2233	8.6150
		0.25	115.515	0.2267	8.6150
		0.2533	115.512	0.2300	8.6120
		0.2566	115.512	0.2333	8.6120

MW-8

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 106.9
		0.26	115.515	0.2367	8.6150
		0.2633	115.512	0.2400	8.6120
		0.2666	115.509	0.2433	8.6090
		0.27	115.509	0.2467	8.6090
		0.2733	115.509	0.2500	8.6090
		0.2766	115.509	0.2533	8.6090
		0.28	115.509	0.2567	8.6090
		0.2833	115.506	0.2600	8.6060
		0.2866	115.404	0.2633	8.5040
		0.29	115.407	0.2667	8.5070
		0.2933	115.407	0.2700	8.5070
		0.2966	115.407	0.2733	8.5070
		0.3	115.404	0.2767	8.5040
		0.3033	115.404	0.2800	8.5040
		0.3066	115.404	0.2833	8.5040
		0.31	115.404	0.2867	8.5040
		0.3133	115.404	0.2900	8.5040
		0.3166	115.401	0.2933	8.5010
		0.32	115.401	0.2967	8.5010
		0.3233	115.401	0.3000	8.5010
		0.3266	115.401	0.3033	8.5010
		0.33	115.401	0.3067	8.5010
		0.3333	115.401	0.3100	8.5010
		0.35	115.398	0.3267	8.4980
		0.3666	115.395	0.3433	8.4950
		0.3833	115.392	0.3600	8.4920
		0.4	115.378	0.3767	8.4780
		0.4166	115.39	0.3933	8.4900
		0.4333	115.387	0.4100	8.4870
		0.45	115.387	0.4267	8.4870
		0.4666	115.384	0.4433	8.4840
		0.4833	115.381	0.4600	8.4810
		0.5	115.381	0.4767	8.4810
		0.5166	115.378	0.4933	8.4780
		0.5333	115.378	0.5100	8.4780
		0.55	115.378	0.5267	8.4780
		0.5666	115.378	0.5433	8.4780
		0.5833	115.375	0.5600	8.4750
		0.6	115.372	0.5767	8.4720

MW-8

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 106.9
		0.6166	115.173	0.5933	8.2730
		0.6333	115.173	0.6100	8.2730
		0.65	115.17	0.6267	8.2700
		0.6666	115.17	0.6433	8.2700
		0.6833	115.17	0.6600	8.2700
		0.7	115.167	0.6767	8.2670
		0.7166	115.167	0.6933	8.2670
		0.7333	115.167	0.7100	8.2670
		0.75	115.164	0.7267	8.2640
		0.7666	115.164	0.7433	8.2640
		0.7833	115.164	0.7600	8.2640
		0.8	115.164	0.7767	8.2640
		0.8166	115.164	0.7933	8.2640
		0.8333	115.161	0.8100	8.2610
		0.85	115.161	0.8267	8.2610
		0.8666	115.161	0.8433	8.2610
		0.8833	115.161	0.8600	8.2610
		0.9	115.158	0.8767	8.2580
		0.9166	115.058	0.8933	8.1580
		0.9333	115.058	0.9100	8.1580
		0.95	115.058	0.9267	8.1580
		0.9666	115.055	0.9433	8.1550
		0.9833	115.058	0.9600	8.1580
		1	115.055	0.9767	8.1550
		1.2	115.044	1.1767	8.1440
		1.4	114.938	1.3767	8.0380
		1.6	114.932	1.5767	8.0320
		1.8	114.929	1.7767	8.0290
		2	114.818	1.9767	7.9180
		2.2	114.812	2.1767	7.9120
		2.4	114.809	2.3767	7.9090
		2.6	114.704	2.5767	7.8040
		2.8	114.698	2.7767	7.7980
		3	114.695	2.9767	7.7950
		3.2	114.692	3.1767	7.7920
		3.4	114.572	3.3767	7.6720
		3.6	114.569	3.5767	7.6690
		3.8	114.566	3.7767	7.6660
		4	114.56	3.9767	7.6600

MW-8

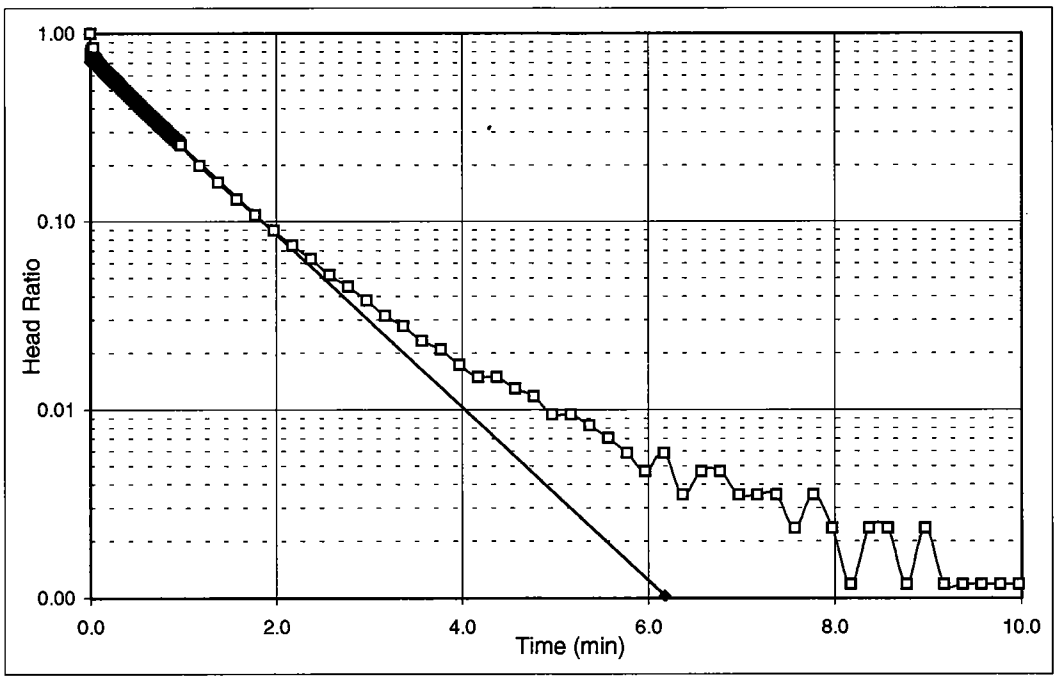
Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 106.9
		4.2	114.554	4.1767	7.6540
		4.4	114.446	4.3767	7.5460
		4.6	114.44	4.5767	7.5400
		4.8	114.437	4.7767	7.5370
		5	114.434	4.9767	7.5340
		5.2	114.431	5.1767	7.5310
		5.4	114.431	5.3767	7.5310
		5.6	114.314	5.5767	7.4140
		5.8	114.311	5.7767	7.4110
		6	114.311	5.9767	7.4110
		6.2	114.308	6.1767	7.4080
		6.4	114.305	6.3767	7.4050
		6.6	114.302	6.5767	7.4020
		6.8	114.3	6.7767	7.4000
		7	114.3	6.9767	7.4000
		7.2	114.297	7.1767	7.3970
		7.4	114.182	7.3767	7.2820
		7.6	114.179	7.5767	7.2790
		7.8	114.179	7.7767	7.2790
		8	114.174	7.9767	7.2740
		8.2	114.174	8.1767	7.2740
		8.4	114.171	8.3767	7.2710
		8.6	114.171	8.5767	7.2710
		8.8	114.168	8.7767	7.2680
		9	114.168	8.9767	7.2680
		9.2	114.165	9.1767	7.2650
		9.4	114.165	9.3767	7.2650
		9.6	114.159	9.5767	7.2590
		9.8	114.159	9.7767	7.2590
		10	114.156	9.9767	7.2560
		12	114.045	11.9767	7.1450
		14	114.03	13.9767	7.1300

HVORSLEV SLUG TEST ANALYSIS
RISING HEAD TEST MW-12

$$K = \frac{r_c^2}{2L_e} \ln \frac{L_e}{R_e} \left[\frac{\ln\left(\frac{h_1}{h_2}\right)}{(t2 - t1)} \right] 30.48$$

where:
r_c = casing radius (feet)
R_e = equivalent radius (feet)
L_e = length of screened interval (feet)
t = time (minutes)
h_t = head at time t (feet)

INPUT PARAMETERS		RESULTS		
r_c =	0.17			
R_e =	0.26			
L_e =	9.55	K=	2.82E-03	cm/sec
t_1 =	0	K=	7.98E+00	ft/day
t_2 =	6.18			
h_1/h_0 =	0.71			
h_2/h_0 =	0.00			



Project Name: Bldg. 812
Project No.: D.O.3M-3/M-2
Test Date: 05/19/00

Analysis By: MJ
Checked By: SV
Analysis Date: 04/24/00

RISING HEAD TEST MW-12
WELL NO. MW-12

Bldg. 812
D.O.3M-3/M-2

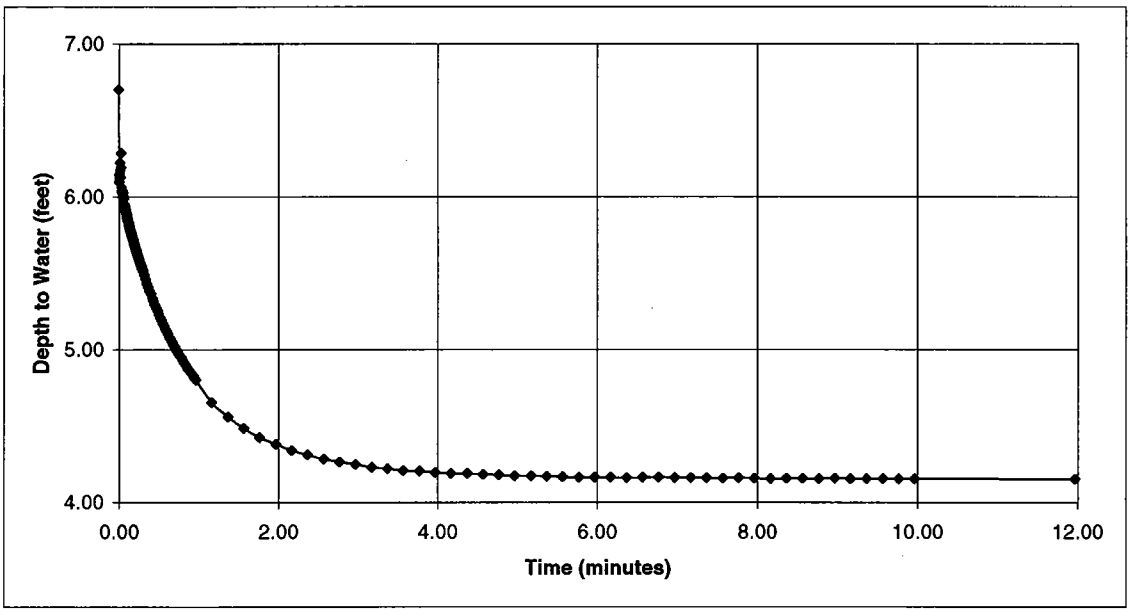
DATE	4/24/00	
INITIAL DEPTH TO WATER	4.15	FEET (btoc)
CASING DIAMETER	4	INCHES
SAND DIAMETER	6.25	INCHES
TOP OF OPEN INTERVAL	4.8	FEET (btoc)
BOTTOM OF OPEN INTERVAL	14.35	FEET (btoc)
SATURATED THICKNESS	7.75	FEET
WATER TABLE TO BOTTOM OF SCREEN	7.74	FEET
EQUIVALENT DIAMETER	4.79	INCHES
OPEN INTERVAL LENGTH	9.55	FEET
STATIC IN SCREEN?	N	
MAX. HEAD CHANGE	2.55	FEET
MAX. HEAD IN SCREEN?	Y	

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.00	6.70	0.00	2.55	1.00
0.00	6.10	0.00	1.95	0.76
0.01	6.14	0.01	1.99	0.78
0.01	6.15	0.01	2.00	0.78
0.01	6.12	0.01	1.97	0.77
0.02	6.22	0.02	2.07	0.81
0.02	6.17	0.02	2.02	0.79
0.02	6.13	0.02	1.98	0.77
0.03	6.19	0.03	2.04	0.80
0.03	6.29	0.03	2.14	0.84
0.03	6.04	0.03	1.89	0.74
0.04	6.06	0.04	1.91	0.75
0.04	6.03	0.04	1.88	0.74
0.04	6.04	0.04	1.89	0.74
0.05	6.04	0.05	1.89	0.74
0.05	6.03	0.05	1.88	0.74
0.05	6.02	0.05	1.87	0.73
0.06	6.01	0.06	1.86	0.73
0.06	6.00	0.06	1.85	0.73
0.06	5.99	0.06	1.84	0.72
0.07	5.99	0.07	1.84	0.72
0.07	5.95	0.07	1.80	0.71
0.07	5.95	0.07	1.80	0.71
0.08	5.94	0.08	1.79	0.70
0.08	5.93	0.08	1.78	0.70
0.08	5.92	0.08	1.77	0.69
0.09	5.91	0.09	1.76	0.69
0.09	5.91	0.09	1.76	0.69
0.09	5.90	0.09	1.75	0.68
0.10	5.89	0.10	1.74	0.68
0.10	5.88	0.10	1.73	0.68
0.10	5.87	0.10	1.72	0.68
0.11	5.87	0.11	1.72	0.67
0.11	5.86	0.11	1.71	0.67
0.11	5.85	0.11	1.70	0.67
0.12	5.85	0.12	1.70	0.66
0.12	5.84	0.12	1.69	0.66
0.12	5.83	0.12	1.68	0.66
0.13	5.82	0.13	1.67	0.66
0.13	5.82	0.13	1.67	0.65
0.13	5.81	0.13	1.66	0.65
0.14	5.80	0.14	1.65	0.65
0.14	5.80	0.14	1.65	0.64
0.14	5.79	0.14	1.64	0.64

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.15	5.78	0.15	1.63	0.64
0.15	5.78	0.15	1.63	0.64
0.15	5.77	0.15	1.62	0.64
0.16	5.76	0.16	1.61	0.63
0.16	5.76	0.16	1.61	0.63
0.16	5.75	0.16	1.60	0.63
0.17	5.74	0.17	1.59	0.63
0.17	5.74	0.17	1.59	0.62
0.17	5.73	0.17	1.58	0.62
0.18	5.73	0.18	1.58	0.62
0.18	5.72	0.18	1.57	0.62
0.18	5.72	0.18	1.57	0.61
0.19	5.71	0.19	1.56	0.61
0.19	5.70	0.19	1.55	0.61
0.19	5.69	0.19	1.54	0.61
0.20	5.69	0.20	1.54	0.60
0.20	5.68	0.20	1.53	0.60
0.20	5.68	0.20	1.53	0.60
0.21	5.67	0.21	1.52	0.60
0.21	5.67	0.21	1.52	0.59
0.21	5.66	0.21	1.51	0.59
0.22	5.66	0.22	1.51	0.59
0.22	5.65	0.22	1.50	0.59
0.22	5.65	0.22	1.50	0.59
0.23	5.64	0.23	1.49	0.58
0.23	5.63	0.23	1.48	0.58
0.23	5.63	0.23	1.48	0.58
0.24	5.62	0.24	1.47	0.58
0.24	5.62	0.24	1.47	0.57
0.24	5.61	0.24	1.46	0.57
0.25	5.60	0.25	1.45	0.57
0.25	5.60	0.25	1.45	0.57
0.25	5.60	0.25	1.45	0.57
0.26	5.59	0.26	1.44	0.56
0.26	5.58	0.26	1.43	0.56
0.26	5.58	0.26	1.43	0.56
0.27	5.58	0.27	1.43	0.56
0.27	5.57	0.27	1.42	0.56
0.27	5.56	0.27	1.41	0.55
0.28	5.56	0.28	1.41	0.55
0.28	5.55	0.28	1.40	0.55
0.28	5.55	0.28	1.40	0.55
0.29	5.55	0.29	1.40	0.55
0.29	5.54	0.29	1.39	0.54
0.29	5.53	0.29	1.38	0.54
0.30	5.53	0.30	1.38	0.54
0.30	5.52	0.30	1.37	0.54
0.30	5.52	0.30	1.37	0.54
0.31	5.51	0.31	1.36	0.53
0.32	5.49	0.32	1.34	0.52
0.34	5.46	0.34	1.31	0.51
0.36	5.43	0.36	1.28	0.50
0.37	5.41	0.37	1.26	0.49
0.39	5.38	0.39	1.23	0.48
0.41	5.36	0.41	1.21	0.48
0.42	5.34	0.42	1.19	0.47
0.44	5.32	0.44	1.17	0.46
0.46	5.29	0.46	1.14	0.45
0.47	5.27	0.47	1.12	0.44
0.49	5.26	0.49	1.11	0.43
0.51	5.23	0.51	1.08	0.42
0.52	5.21	0.52	1.06	0.42
0.54	5.19	0.54	1.04	0.41
0.56	5.17	0.56	1.02	0.40

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
0.57	5.15	0.57	1.00	0.39
0.59	5.14	0.59	0.99	0.39
0.61	5.12	0.61	0.97	0.38
0.62	5.10	0.62	0.95	0.37
0.64	5.08	0.64	0.93	0.36
0.66	5.07	0.66	0.92	0.36
0.67	5.05	0.67	0.90	0.35
0.69	5.03	0.69	0.88	0.35
0.71	5.02	0.71	0.87	0.34
0.72	5.00	0.72	0.85	0.33
0.74	4.99	0.74	0.84	0.33
0.76	4.97	0.76	0.82	0.32
0.77	4.96	0.77	0.81	0.32
0.79	4.94	0.79	0.79	0.31
0.81	4.93	0.81	0.78	0.31
0.82	4.92	0.82	0.77	0.30
0.84	4.90	0.84	0.75	0.29
0.86	4.89	0.86	0.74	0.29
0.87	4.88	0.87	0.73	0.28
0.89	4.87	0.89	0.72	0.28
0.91	4.85	0.91	0.70	0.27
0.92	4.84	0.92	0.69	0.27
0.94	4.83	0.94	0.68	0.27
0.96	4.82	0.96	0.67	0.26
0.97	4.80	0.97	0.65	0.26
1.17	4.66	1.17	0.51	0.20
1.37	4.56	1.37	0.41	0.16
1.57	4.49	1.57	0.34	0.13
1.77	4.43	1.77	0.28	0.11
1.97	4.38	1.97	0.23	0.09
2.17	4.34	2.17	0.19	0.07
2.37	4.31	2.37	0.16	0.06
2.57	4.28	2.57	0.13	0.05
2.77	4.27	2.77	0.11	0.05
2.97	4.25	2.97	0.10	0.04
3.17	4.23	3.17	0.08	0.03
3.37	4.22	3.37	0.07	0.03
3.57	4.21	3.57	0.06	0.02
3.77	4.20	3.77	0.05	0.02
3.97	4.19	3.97	0.04	0.02
4.17	4.19	4.17	0.04	0.01
4.37	4.19	4.37	0.04	0.01
4.57	4.18	4.57	0.03	0.01
4.77	4.18	4.77	0.03	0.01
4.97	4.17	4.97	0.02	0.01
5.17	4.17	5.17	0.02	0.01
5.37	4.17	5.37	0.02	0.01
5.57	4.17	5.57	0.02	0.01
5.77	4.16	5.77	0.01	0.01
5.97	4.16	5.97	0.01	0.00
6.17	4.16	6.17	0.01	0.01
6.37	4.16	6.37	0.01	0.00
6.57	4.16	6.57	0.01	0.00
6.77	4.16	6.77	0.01	0.00
6.97	4.16	6.97	0.01	0.00
7.17	4.16	7.17	0.01	0.00
7.37	4.16	7.37	0.01	0.00
7.57	4.16	7.57	0.01	0.00
7.77	4.16	7.77	0.01	0.00
7.97	4.16	7.97	0.01	0.00
8.17	4.15	8.17	0.00	0.00
8.37	4.16	8.37	0.01	0.00
8.57	4.16	8.57	0.01	0.00
8.77	4.15	8.77	0.00	0.00

EVENT EALAPSED TIME (MIN)	DEPTH TO WATER (FEET)	TEST ELAPSED TIME (MIN)	HEAD (FEET)	HEAD RATIO
8.97	4.16	8.97	0.01	0.00
9.17	4.15	9.17	0.00	0.00
9.37	4.15	9.37	0.00	0.00
9.57	4.15	9.57	0.00	0.00
9.77	4.15	9.77	0.00	0.00
9.97	4.15	9.97	0.00	0.00
11.97	4.15	11.97	0.00	0.00



MW-12

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 107.215
		0.0000	111.3300		
		0.0033	111.3510		
		0.0066	111.3390		
		0.01	112.257		
		0.0133	112.523		
		0.0166	112.512		
		0.02	112.386		
		0.0233	112.814		
		0.0266	113.916	0.0000	6.7010
		0.03	113.312	0.0034	6.0970
		0.0333	113.359	0.0067	6.1440
		0.0366	113.365	0.0100	6.1500
		0.04	113.338	0.0134	6.1230
		0.0433	113.438	0.0167	6.2230
		0.0466	113.388	0.0200	6.1730
		0.05	113.341	0.0234	6.1260
		0.533	113.406	0.5064	6.1910
		0.566	113.502	0.5394	6.2870
		0.06	113.25	0.0334	6.0350
		0.0633	113.277	0.0367	6.0620
		0.0666	113.242	0.0400	6.0270
		0.07	113.256	0.0434	6.0410
		0.0733	113.256	0.0467	6.0410
		0.0766	113.242	0.0500	6.0270
		0.08	113.239	0.0534	6.0240
		0.0833	113.221	0.0567	6.0060
		0.0866	113.218	0.0600	6.0030
		0.09	113.204	0.0634	5.9890
		0.0933	113.201	0.0667	5.9860
		0.0966	113.165	0.0700	5.9500
		0.1	113.165	0.0734	5.9500
		0.1033	113.154	0.0767	5.9390
		0.1066	113.145	0.0800	5.9300
		0.11	113.136	0.0834	5.9210
		0.1133	113.13	0.0867	5.9150
		0.1166	113.121	0.0900	5.9060
		0.12	113.11	0.0934	5.8950
		0.1233	113.104	0.0967	5.8890
		0.1266	113.098	0.1000	5.8830

MW-12

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 107.215
		0.13	113.089	0.1034	5.8740
		0.1333	113.08	0.1067	5.8650
		0.1366	113.072	0.1100	5.8570
		0.14	113.066	0.1134	5.8510
		0.1433	113.06	0.1167	5.8450
		0.1466	113.054	0.1200	5.8390
		0.15	113.045	0.1234	5.8300
		0.1533	113.039	0.1267	5.8240
		0.1566	113.031	0.1300	5.8160
		0.16	113.025	0.1334	5.8100
		0.1633	113.019	0.1367	5.8040
		0.1666	113.01	0.1400	5.7950
		0.17	113.004	0.1434	5.7890
		0.1733	112.3998	0.1467	5.1848
		0.1766	112.993	0.1500	5.7780
		0.18	112.987	0.1534	5.7720
		0.1833	112.978	0.1567	5.7630
		0.1866	112.972	0.1600	5.7570
		0.19	112.966	0.1634	5.7510
		0.1933	112.96	0.1667	5.7450
		0.1966	112.954	0.1700	5.7390
		0.2	112.949	0.1734	5.7340
		0.2033	112.943	0.1767	5.7280
		0.2066	112.937	0.1800	5.7220
		0.21	112.931	0.1834	5.7160
		0.2133	112.925	0.1867	5.7100
		0.2166	112.916	0.1900	5.7010
		0.22	112.91	0.1934	5.6950
		0.2233	112.905	0.1967	5.6900
		0.2266	112.899	0.2000	5.6840
		0.23	112.893	0.2034	5.6780
		0.2333	112.887	0.2067	5.6720
		0.2366	112.881	0.2100	5.6660
		0.24	112.875	0.2134	5.6600
		0.2433	112.872	0.2167	5.6570
		0.2466	112.866	0.2200	5.6510
		0.25	112.861	0.2234	5.6460
		0.2533	112.855	0.2267	5.6400
		0.2566	112.849	0.2300	5.6340

MW-12

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
	5/19/00				correction= - 107.215
		0.26	112.843	0.2334	5.6280
		0.2633	112.837	0.2367	5.6220
		0.2666	112.831	0.2400	5.6160
		0.27	112.825	0.2434	5.6100
		0.2733	112.82	0.2467	5.6050
		0.2766	112.817	0.2500	5.6020
		0.28	112.811	0.2534	5.5960
		0.2833	112.805	0.2567	5.5900
		0.2866	112.799	0.2600	5.5840
		0.29	112.0793	0.2634	4.8643
		0.2933	112.79	0.2667	5.5750
		0.2966	112.784	0.2700	5.5690
		0.3	112.779	0.2734	5.5640
		0.3033	112.773	0.2767	5.5580
		0.3066	112.77	0.2800	5.5550
		0.31	112.764	0.2834	5.5490
		0.3133	112.761	0.2867	5.5460
		0.3166	112.755	0.2900	5.5400
		0.32	112.749	0.2934	5.5340
		0.3233	112.743	0.2967	5.5280
		0.3266	112.74	0.3000	5.5250
		0.33	112.735	0.3034	5.5200
		0.3333	112.729	0.3067	5.5140
		0.35	112.702	0.3234	5.4870
		0.3666	112.673	0.3400	5.4580
		0.3833	112.647	0.3567	5.4320
		0.4	112.623	0.3734	5.4080
		0.4166	112.6	0.3900	5.3850
		0.4333	112.579	0.4067	5.3640
		0.45	112.553	0.4234	5.3380
		0.4666	112.532	0.4400	5.3170
		0.4833	112.509	0.4567	5.2940
		0.5	112.488	0.4734	5.2730
		0.5166	112.471	0.4900	5.2560
		0.5333	112.447	0.5067	5.2320
		0.55	112.427	0.5234	5.2120
		0.5666	112.406	0.5400	5.1910
		0.5833	112.386	0.5567	5.1710
		0.6	112.368	0.5734	5.1530

MW-12

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 107.215
		0.6166	112.351	0.5900	5.1360
		0.6333	112.333	0.6067	5.1180
		0.65	112.315	0.6234	5.1000
		0.6666	112.295	0.6400	5.0800
		0.6833	112.283	0.6567	5.0680
		0.7	112.266	0.6734	5.0510
		0.7166	112.248	0.6900	5.0330
		0.7333	112.233	0.7067	5.0180
		0.75	112.216	0.7234	5.0010
		0.7666	112.201	0.7400	4.9860
		0.7833	112.186	0.7567	4.9710
		0.8	112.172	0.7734	4.9570
		0.8166	112.16	0.7900	4.9450
		0.8333	112.145	0.8067	4.9300
		0.85	112.131	0.8234	4.9160
		0.8666	112.116	0.8400	4.9010
		0.8833	112.101	0.8567	4.8860
		0.9	112.09	0.8734	4.8750
		0.9166	112.081	0.8900	4.8660
		0.9333	112.066	0.9067	4.8510
		0.95	112.054	0.9234	4.8390
		0.9666	112.043	0.9400	4.8280
		0.9833	112.031	0.9567	4.8160
		1	112.016	0.9734	4.8010
		1.2	111.87	1.1734	4.6550
		1.4	111.776	1.3734	4.5610
		1.6	111.7	1.5734	4.4850
		1.8	111.641	1.7734	4.4260
		2	111.594	1.9734	4.3790
		2.2	111.556	2.1734	4.3410
		2.4	111.527	2.3734	4.3120
		2.6	111.497	2.5734	4.2820
		2.8	111.48	2.7734	4.2650
		3	111.462	2.9734	4.2470
		3.2	111.445	3.1734	4.2300
		3.4	111.436	3.3734	4.2210
		3.6	111.424	3.5734	4.2090
		3.8	111.418	3.7734	4.2030
		4	111.409	3.9734	4.1940

MW-12

Date	Time	ET (min)	Feet H2O	ET (min)	Feet H2O
5/19/00					correction= - 107.215
		4.2	111.403	4.1734	4.1880
		4.4	111.403	4.3734	4.1880
		4.6	111.398	4.5734	4.1830
		4.8	111.395	4.7734	4.1800
		5	111.389	4.9734	4.1740
		5.2	111.389	5.1734	4.1740
		5.4	111.386	5.3734	4.1710
		5.6	111.383	5.5734	4.1680
		5.8	111.38	5.7734	4.1650
		6	111.377	5.9734	4.1620
		6.2	111.38	6.1734	4.1650
		6.4	111.374	6.3734	4.1590
		6.6	111.377	6.5734	4.1620
		6.8	111.377	6.7734	4.1620
		7	111.374	6.9734	4.1590
		7.2	111.374	7.1734	4.1590
		7.4	111.374	7.3734	4.1590
		7.6	111.371	7.5734	4.1560
		7.8	111.374	7.7734	4.1590
		8	111.371	7.9734	4.1560
		8.2	111.368	8.1734	4.1530
		8.4	111.371	8.3734	4.1560
		8.6	111.371	8.5734	4.1560
		8.8	111.368	8.7734	4.1530
		9	111.371	8.9734	4.1560
		9.2	111.368	9.1734	4.1530
		9.4	111.368	9.3734	4.1530
		9.6	111.368	9.5734	4.1530
		9.8	111.368	9.7734	4.1530
		10	111.368	9.9734	4.1530
		12	111.365	11.9734	4.1500

APPENDIX E

SENSITIVE RECEPTOR SURVEY

Environmental Data Resources, Inc.
Southport, CT

Offsite Receptor Report
Inquiry Number: 0511403.1r
June 27, 2000

EDR - Offsite Receptor Report

Fort Monmouth Army Base
Fort Monmouth, NJ 07703

Inquiry Number: 0511403.1r

June 27, 2000

Environmental Data Resources, Inc.
an edr company

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Records Searched/Data Currency Tracking Addendum	10

Thank you for your business
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc. (EDR). The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R. *"The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e., the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."*

The address of the subject property, for which the search was intended, is:

FORT MONMOUTH ARMY BASE
FORT MONMOUTH, NJ 07703

Distance Searched: 2.000 miles from subject property

RECEPTOR SUMMARY
An X indicates the presence of the receptor within the search radius.

Residential Population
Estimated population within search radius: 27298 persons.

Other Public Receptors

Type	Within Search Radius	Sites Total
Day Care Centers:	☒	3
Medical Centers:	☐	
Nursing Homes:	☐	
Schools:	☒	15
Hospitals:	☐	
Arena:	☐	
Prison:	☐	

Environmental Receptors

Type	Within Search Radius	Sites Total
Federal Land:	☒	1

CENSUS MAP - 0511403.1r

★ Target Property

Roads

Waterways

Census Tracts

0 1/2 1 2 Miles

TARGET PROPERTY:		CUSTOMER:	Versar, Inc.
ADDRESS:	Fort Monmouth Army Base	CONTACT:	Sharon Voss
CITY/STATE/ZIP:	Fort Monmouth NJ 07703	INQUIRY #:	0511403.1r
LAT/LONG:	40.3103 / 74.0532	DATE:	June 27, 2000 10:23 am

CENSUS FINDINGS

Map ID	Tract Number	Total Population	Population in Radius	Total Area(sq.mi.)	Area in Radius(sq.mi.)
T1	8042.00	5713	2315.2	3.36	1.36
T2	8035.00	2184	0.0	0.39	0.00
T3	8043.00	3096	2997.6	2.23	2.15
T4	8045.00	5299	2938.5	2.87	1.59
T5	8053.00	5289	2464.8	3.09	1.44
T6	8046.00	1743	8.8	3.05	0.02
T7	8052.00	857	857.0	0.75	0.75
T8	8044.00	1098	1098.0	0.10	0.10
T9	8049.00	638	638.0	0.35	0.35
T10	8050.01	4589	4529.4	1.00	0.98
T11	8050.02	3708	3708.0	1.22	1.22
T12	8047.97	1713	1713.0	0.41	0.41
T13	8062.00	7690	1769.5	2.91	0.67
T14	8047.98	1737	969.1	0.43	0.24
T15	8051.00	3152	1291.2	2.95	1.21

RECEPTOR MAP - 0511403.1r

★ Target Property

Roads

Waterways

Environmental or Public Receptor

Federal Lands Linear Features

Federal Lands Area

0 1/2 1 2 Miles

TARGET PROPERTY:		CUSTOMER:	Versar, Inc.
ADDRESS:	Fort Monmouth Army Base	CONTACT:	Sharon Voss
CITY/STATE/ZIP:	Fort Monmouth NJ 07703	INQUIRY #:	0511403.1r
LAT/LONG:	40.3103 / 74.0532	DATE:	June 27, 2000 10:24 am

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
NA North 0-1/8 mi 0 NA	Name: ID: State FIPS: Feature:	Fort Monmouth Military Reservation 29120 34 Army DOD	US0029120 FED_LAND
1 SSE 1/4-1/2 mi 1487 Higher	Name: ID: Site Type: Latitude: Longitude:	Steelman School 882575 school 40.30700 -74.05000	GNS0930612 GNIS_SCH
2 SSE 1/2-1 mi 4211 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	MEADOWBROOK E.S. 340441003772 65 WYCKOFF ROAD EATONTOWN, NJ 07724 52913 732-935-3337 Urban Fringe of Large City Regular Elementary and Secondary Schools Primary MONMOUTH Kindergarten 06	340441003772 CCD
A3 ESE 1-2 mi 5451 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	WOLF HILL E.S. 341212004074 55 WOLFHILL AVE OCEANPORT, NJ 07757 53021 732-542-0683 Urban Fringe of Large City Regular Elementary and Secondary Schools Primary MONMOUTH Kindergarten 04	341212004074 CCD
4 SW 1-2 mi 5630 Higher	Name: ID: Site Type: Latitude: Longitude:	Vetter School 882586 school 40.29700 -74.06000	GNS0931468 GNIS_SCH
A5 ESE 1-2 mi 5821 Higher	Name: ID: Site Type: Latitude: Longitude:	Oceanport School 882531 school 40.30700 -74.03000	GNS0927961 GNIS_SCH

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
B6 SSW 1-2 mi 6825 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	MARGARET L. VETTER E.S. 340441003768 3 GRANT AVENUE EATONTOWN, NJ 07724 52911 732-935-3330 Urban Fringe of Large City Regular Elementary and Secondary Schools Primary MONMOUTH Kindergarten 06	340441003768 CCD
B7 SSW 1-2 mi 6842 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	MEMORIAL E.S. 340441003770 7 GRANT AVENUE EATONTOWN, NJ 07724 52912 732-935-3321 Urban Fringe of Large City Regular Elementary and Secondary Schools Middle MONMOUTH 07 08	340441003770 CCD
8 NNW 1-2 mi 6988 Higher	Name: ID: Site Type: Latitude: Longitude:	Shrewsbury School 882572 school 40.32800 -74.06000	GNS0930190 GNIS_SCH
9 NNW 1-2 mi 7449 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	SHREWSBURY E.S. 341497004102 20 OBRE PLACE SHREWSBURY, NJ 07702 53039 732-747-0882 Urban Fringe of Large City Regular Elementary and Secondary Schools Primary MONMOUTH Kindergarten 08	341497004102 CCD
10 West 1-2 mi 7905 Higher	Name: ID: Site Type:	RANNEY SCHOOL 9023 Private sch.	PRV1007246 PRV_SCH

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
11 East 1-2 mi 8250 Higher	Name: ID: Site Type:	Lil' Squan University 585451108 Daycare ctr	DAY1045371 DAYCARE
12 WNW 1-2 mi 9349 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	MAHALA F. ATCHINSON E.S. 341620004112 961 SYCAMORE AVENUE EATONTOWN, NJ 07724 53042 732-542-2500 Urban Fringe of Large City Regular Elementary and Secondary Schools Primary MONMOUTH Kindergarten 02	341620004112 CCD
13 WNW 1-2 mi 9702 Higher	Name: ID: Site Type:	Tinton Falls Cooperative Nursery School 585451093 Daycare ctr	DAY1045366 DAYCARE
14 ESE 1-2 mi 9789 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	SHORE REGIONAL H.S. 341494004100 132 STATE ROUTE 36 WEST LONG BRANCH, NJ 07764 53038 732-222-9300 Urban Fringe of Large City Regular Elementary and Secondary Schools High MONMOUTH 09 12	341494004100 CCD
C15 NNE 1-2 mi 9992 Higher	Name: NCES ID: Address: School ID: Telephone: Local Code: School Type: School Level: County: Lowest Grade: Highest Grade:	MARKHAM PLACE E.S. 340879003898 99 MARKHAM PL LITTLE SILVER, NJ 07739 52955 732-741-7112 Urban Fringe of Large City Regular Elementary and Secondary Schools Middle MONMOUTH 05 08	340879003898 CCD

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
16 NNW 1-2 mi 10140 Higher	Name: ID: Site Type:	Leapfrog Learning Center 585450989 Daycare ctr	DAY1045356 DAYCARE
C17 NNE 1-2 mi 10346 Higher	Name: ID: Site Type: Latitude: Longitude:	Little Silver School 882493 school 40.33800 -74.04000	GNS0926346 GNIS_SCH
18 West 1-2 mi 10543 Higher	Name: ID: Site Type: Latitude: Longitude:	Monmouth Regional High School 883505 school 40.30500 -74.09000	GNS0927201 GNIS_SCH

RECORDS SEARCHED/DATA CURRENCY TRACKING

CENSUS
Source: U.S. Census Bureau
Telephone: 301-457-4100
1990 U.S. Census data was used to estimate residential population following these EPA guidelines:
"Census data are presented by Census tract. If your circle covers only a portion of the tract, you should develop an estimate for that portion...Determine the population density per square mile (total population of the Census tract divided by the number of square miles in the tract) and apply that density figure to the number of square miles within your circle."

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal lands data. Includes data from several Federal land manangement agencies, including Fish and Wildlife Service, Bureau of Land Management, National Park Service, and Forest Service. Includes National Parks, Forests, Monuments; Wildlife Sanctuaries, Preserves, Refuges; Federal Wilderness Areas.
Date of government version: 09/09/97.

HCFA: Provider of Services Listing
Source: The Health Care Financing Administration
Telephone: 410/786-3000
A listing of hospitals with Medicare provider number, produced by The Health Care Financing Administration (HCFA), a federal agency within the U.S. Department of Health and Human Services.
HCFA runs the Medicare and Medicaid programs.
Date of government version: 06/01/98.

CCD: Common Core of Data
Source: National Center for Education Statistics
555 New Jersey Avenue NW
Washington, DC 20208-5651
The Common Core of Data (CCD) is the National Center for Education Statistics' primary database on elementary and secondary public education in the United States. CCD is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Date of government version: 1995-96.

GNIS: Geographic Names Information System
Source: USGS
Telephone: 703-648-5094
The Geographic Names Information System (GNIS), developed by the USGS in cooperation with the U.S. Board on Geographic Names (BGN), contains information about almost 2 million physical and cultural geographic features in the United States. The GNIS is our Nation's official repository of domestic geographic names information.
Date of government version: 03/01/98.

PRV_SCH: Private Schools
EDR indicates the location of buildings and facilities - private schools - where individuals who are public receptors are likely to be located.

DAYCARE: Daycare Centers
EDR indicates the location of buildings and facilities - daycare centers - where individuals who are public receptors are likely to be located.

MEDCEN: Medical Centers
EDR indicates the location of buildings and facilities - medical centers - where individuals who are public receptors are likely to be located.

NURSING: Nursing Homes
EDR indicates the location of buildings and facilities - nursing homes - where individuals who are public receptors are likely to be located.

ARENA: Arenas
EDR indicates the location of buildings and facilities - arenas - where individuals who are public receptors are likely to be located.

PRISON: Prisons
EDR indicates the location of buildings and facilities - prisons - where individuals who are public receptors are likely to be located.

BOP: Bureau of Prisons Facilities
Source: Federal Bureau of Prisons
List of facilities operated by the Federal Bureau of Prisons.
Date of government version: 07/01/98.

APPENDIX F

WELL SEARCH SUMMARY

Source: State of New Jersey Department of Environmental Protection
Well Permitting and Regulations Section of the Bureau of Water Allocation, Trenton, NJ
Search Date: 18 January 2001

Well Search Summary
Site 812
U.S. Army Garrison Fort Monmouth, New Jersey

	WELL OWNER	WELL ADDRESS	WELL DESIGNATION	WELL USE CODE	WELL DEPTH (ft)	WELL CAPACITY	PERMIT NUMBER	PERMIT DATE	NJGRID	LATITUDE	LONGITUDE	DRILLER	WELL DATE	COMP. DATE	FIN. DEPTH	WELL CONTACT (If identified)
1	GRANDINETTI LOUIS			D	150	15	2901016	12/24/53	2913691	401839	740240	GREH				
2	LOZIER FRED			D	46	3	2901308	12/3/54	2913684	401826	740319	BORD				
3	O'NEILL EDWARD			D	60	12	2901788	11/30/55	2913653	401920	740253	APTI				
4	NEW JERSEY STATE OF	140	426	D	75	70	2902453	9/12/57	2913935	401746	740226	STOT		LUCAS		
5	ZANNETTI ANGELO			D	100	10	2902505	10/10/57	2913665	401906	740226	TICE				
6	ESSO STANDARD OIL CO			I	110	12	2902919	5/11/59	2913656	401906	740253	TICE				
7	RUMSON COUNTRY CLUB			D	350	600	2904513	10/16/64	2914446	401906	740133	LAUM				
8	RUMSON COUNTRY CLUB			D	350	600	2904513	10/16/64	2914446	401906	740133	LAUM				
9	BINOLFORD HAROLD			D	50	12	2904782	8/5/65	2913691	401839	740240	PETE				
10	DAVIES FRED			D	70	15	2905009	3/21/66	2914457	401853	740119	TICE				
11	FRANCO THOMAS			D	50	7	2905609	10/7/68	2913655	401906	740306	PETE				
12	P.V.C. CONTAINER CRP			D	100	35	2905673	1/22/69	2913692	401839	740226	TICE				
13	MURAWSKI P.			D	50	10	2906510	6/7/72	2914471	401839	740200	KAYE				
14	JENSEN BOB			D	60	10	2908438	8/3/76	2914447	401853	740200	BAIN				
15	WILLIAMSON KEN			D	60	10	2908652	1/18/77	2913923	401800	740253	BILL				
16	STOKES WARD			D	50	5	2908810	5/12/77	2914472	401839	740146	AMER				
17	MUSCATELLO MR & MRS			D	100	10	2909285	3/13/78	2913922	401800	740306	AMER				
18	FORT MONMOUTH/US ARM			M	25	0	2911063	3/31/81	2913666	401906	740213	HAND				
19	FORT MONMOUTH/US ARM			M	25	0	2911064	3/31/81	2913666	401906	740213	HAND				
20	FORT MONMOUTH/US ARM			M	25	0	2911065	3/31/81	2913666	401906	740213	HAND				
21	FORT MONMOUTH/US ARM			M	25	0	2911066	3/31/81	2913666	401906	740213	HAND				
22	FORT MONMOUTH/US ARM			M	25	0	2911067	3/31/81	2913666	401906	740213	HAND				
23	FORT MONMOUTH/US ARM			M	25	0	2911068	3/31/81	2913666	401906	740213	HAND				
24	CALABRETTA JOSEPH			D	50	12	2911144	4/8/81	2914714	401746	740200	PICK				
25	GENTILE DANIEL			D	60	15	2911479	8/18/81	2913923	401800	740253	PICK				
26	BECKELMAN MARVIN			H	100	0	2911771	12/22/81	2913653	401920	740253	ENGI				
27	BECKELMAN MARVIN			H	100	10	2911772	12/22/81	2913664	401906	740240	ENGI				
28	TEXACO INC.			M	25	0	2912262	8/27/82	2913936	401746	740213	HAND				
29	TEXACO INC.			M	25	0	2912263	8/27/82	2913936	401746	740213	HAND				
30	TEXACO INC.			M	25	0	2912264	8/27/82	2913936	401746	740213	HAND				
31	TEXACO INC.			M	25	0	2912265	8/27/82	2913936	401746	740213	HAND				
32	SHELL OIL COMPANY			M	25	0	2912553	1/21/83	2914447	401846	740152	HAND				
33	SHELL OIL COMPANY			M	25	0	2912554	1/21/83	2914447	401846	740152	HAND				
34	SHELL OIL COMPANY			M	25	0	2912555	1/21/83	2914447	401846	740152	HAND				
35	CHESHEY JOE			R	80	12	2912598	2/1/83	2914473	401832	740126	AQUA				
36	BERWEILER ROBI			D	80	12	2913181	9/12/83	2913697	401806	740232	PICK				
37	N.J. TRANSIT CORP			M	35	0	2913825	6/20/85	2914474	401819	740152	GEOR				
38	SMITH CHRISTOPHER &			D	60	8	2914157	9/15/84	2914448	401846	740139	AJWD				
39	THOMAS TRAVIS			D	120	10	2914244	10/5/84	2913695	401819	740219	PETE				
40	DYE ARLE L.			R	200	8	2914980	5/5/85	2913653	401912	740246	AJWD	10/23/85			
41	MODERATE INCOME MANA			G	200	40	2915008	5/5/85	2913689	401806	740246	PICK	8/12/01			
42	DEVITO RALPH			R	80	15	2915297	8/7/85	2913931	401752	740232	PICK	9/4/85			
43	BERWEILER NORMAN		N	D	70	15	2915836	12/10/85	2913697	401806	740232	PICK	2/24/86			
44	FARRAH RICHARD			D	100	10	2917404	10/21/86	2913689	401806	740246	TIGE	12/8/86			
45	KHATAMI DR.			G	200	15	2921172	9/1/88	2913658	401853	740306	TIGE	1/23/89			
46	RUDOLPH BILL			G	190	20	2921780	11/10/88	2914449	401853	740133	ENDR	1/20/89			
47	BRIDGEWATER TOWNHOUS	BRIDGEWATER DRIVE	57	G	180	25	2922549	4/12/89	2914473	401839	740133	TIGE	6/8/89	5/30/89	180	DENNIS BUCHANNAN
48	KHRISTIANSEN A.	TRAFZLOAR PLACE		G	60	10	2922571	4/14/89	2913653	401920	740253	KAYE	6/16/89	4/24/89	55	POPPE GARY
49	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	M~~11	M	20	0	2922675	5/1/89	2914713	401800	740133	GRAH		5/10/89	20	
50	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW2	M	20	0	2922676	5/1/89	2914713	401800	740133	GRAII		5/12/89	25	

Well Search Summary
Site 812
U.S. Army Garrison Fort Monmouth, New Jersey

	WELL OWNER	WELL ADDRESS	WELL DESIGNATION	WELL USE CODE	WELL DEPTH (ft)	WELL CAPACITY	PERMIT NUMBER	PERMIT DATE	NJGRID	LATITUDE	LONGITUDE	DRILLER	WELL DATE	COMP. DATE	FIN. DEPTH	WELL CONTACT (If identified)
51	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW3	M	20	0	2922677	5/1/89	2914713	401800	740133	GRAII		5/12/89	18	
52	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW4	M	20	0	2922678	5/1/89	2914713	401800	740133	GRAII		5/11/89	20	
53	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW5	M	20	0	2922679	5/1/89	2914713	401800	740133	GRAII		5/9/89	21	
54	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW6	M	20	0	2922680	5/1/89	2914713	401800	740133	GRAII		5/9/89	20	
55	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW7	M	20	0	2922681	5/1/89	2914713	401800	740133	GRAII		5/10/89	12	
56	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW8	M	20	0	2922682	5/1/89	2914713	401800	740133	GRAII		5/10/89	12	
57	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW9	M	20	0	2922683	5/1/89	2914713	401800	740133	GRAII		5/10/89	18	
58	185 MONMOUTH PARKWAY	185 MONMOUTH PARKWAY	MW1O	M	20	0	2922684	5/1/89	2914713	401800	740133	GRAII		5/11/89	18	
59	US ARMY	SALTZMAN AVENUE	1	M	30	0	2923677	11/3/89	2913665	401906	740226	MYBL	3/12/90	11/2/89	15	MYERS GREGORY
60	US ARMY	SALTZMAN AVENUE	2	M	30	0	2923678	11/3/89	2913665	401906	740226	MYBL	3/12/90	11/2/89	17	MYERS GREGORY
61	US ARMY	SALTZMAN	3	M	30	0	2923679	11/3/89	2913665	401906	740226	MYBL	3/12/90	AVENUE	11/2/89	
62	US ARMY	SALTZMAN AVENUE	4	M	30	0	2923680	11/3/89	2913665	401906	740226	MYBL	3/12/90	11/2/89	20	MYERS GREGORY
63	BERWEILER DENNIS	ORCHARD STREET		D	69	15	2923690	11/2/89	2913689	401813	740253	PICK	7/20/90	4/5/90	67	PRIMOST ALLEN
64	US ARMY	176 RIVERSIDE DRIVE		M	30	0	2924639	4/27/90	2913665	401906	740226	MYBL	7/12/90	5/1/90	15	MYERS GREGORY
65	US ARMY	176 RIVERSIDE DRIVE		M	30	0	2924640	4/27/90	2913665	401906	740226	MYBL	7/12/90	5/1/90	14	MYERS GREGORY
66	AMERADA HESS	ROUTE 36	NW5	M	50	0	2924867	6/11/90	2913934	401746	740240	GRAII	7/3/90	6/18/90	20	
67	AMERADA HESS	ROUTE 36	MW6	M	50	0	2924868	6/11/90	2913934	401746	740240	GRAII	7/3/90	6/18/90	19	
68	AMERADA HESS	ROUTE 36	MW7	M	50	0	2924869	6/11/90	2913934	401746	740240	GRAII	7/3/90	6/18/90	19	
69	AMERADA HESS	ROUTE 36	MW8	M	50	0	2924870	6/11/90	2913934	401746	740240	GRAII	7/3/90	6/19/90	20	
70	AMERADA HESS	ROUTE 36	MW9	M	50	0	2924871	6/11/90	2913934	401746	740240	GRAII	7/3/90	6/19/90	35	
71	SHELL OIL CORP	P.O. BOX 1703	GTO1	M	10	0	2924953	6/27/90	2914447	401853	740200	KAVL	9/24/90	7/12/90	12	KAVLUNAS MICHAEL
72	SHELL OIL CORP	P.O. BOX 1703	GTO2	M	10	0	2924954	6/27/90	2914447	401853	740200	KAVL	9/24/90	7/12/90	12	KAVLUNAS MICHAEL
73	SHELL OIL CORP	P.O. BOX 1703	GTO3	M	10	0	2924955	6/27/90	2914447	401853	740200	KAVL	9/24/90	7/12/90	12	KAVLUNAS MICHAEL
74	SHELL OIL CORP	P.O. BOX 1703	GTO4	M	10	0	2924956	6/27/90	2914447	401853	740200	KAVL	9/24/90	7/12/90	11	KAVLUNAS MICHAEL
75	CORTELYOU	1 HIGH TEC		M	20	0	2925357	10/12/90	2913693	401839	740213	WILS	10/19/90	10/15/90	19	ECCLESTON RAYMOND
76	BUEHLER CHEVROLET	ROUTE 36	MW5	M	20	0	2926362	6/13/91	2913934	401746	740240	ENVI	1/22/92	6/19/91	23	
77	BUEHLER CHEVROLET	ROUTE 36	MW7	M	20	0	2926363	6/13/91	2913934	401746	740240	ENVI	11/26/91	6/19/91	15	
78	KODAMA MRS. H.	83 SUNNYBROOK DRIVE		D	230	15	2926704	8/8/91	2913653	401920	740253	KAYE	10/15/91	8/28/91	250	POPPE GARY
79	U.S. ARMY FORT MONMO	BLDG 167	1	M	20	0	2926925	9/24/91	2914444	401906	740200	TABA	10/29/91			
80	U.S. ARMY FORT MONMO	BLDG 167	2	M	20	0	2926926	9/24/91	2914444	401906	740200	TABA	10/29/91	10/1/91	13	HITZELBERGER CHARLE
81	U.S. ARMY FORT MONMO	BLDG 167	3	M	20	0	2926927	9/24/91	2914444	401906	740200	TABA	10/29/91	10/1/91	13	HITZELBERGER CHARLE
82	U.S. ARMY FORT MONMO	BLDG 167	4	M	20	0	2926928	9/24/91	2914444	401906	740200	TABA	10/29/91			
83	U.S. ARMY FORT MONMO	BLDG 167	3	M	20	0	2926929	9/24/91	2914444	401906	740200	TABA	10/29/91	10/3/91	12	HITZELBERGER CHARLE
84	U.S. ARMY FORT MONMO	BLDG 167	1	M	20	0	2926930	9/24/91	2914444	401906	740200	TABA	10/29/91	10/2/91	12	HITZELBERGER CHARLE
85	U.S. ARMY FORT MONMO	BLDG 167	2	M	20	0	2926931	9/24/91	2914444	401906	740200	TABA	10/29/91	10/2/91	11	HITZELBERGER CHARLE
86	U.S. ARMY FORT MONMO	BLDG 167	1	M	20	0	2926938	9/25/91	2914441	401920	740200	TABA	10/29/91	10/8/91	12	HITZELBERGER KARL
87	U.S. ARMY FORT MONMO	BLDG 167	1	M	20	0	2926939	9/25/91	2914441	401920	740200	TABA	10/29/91	10/4/91	14	HITZELBERGER CHARLE
88	U.S. ARMY FORT MONMO	BLDG 167	1	M	20	0	2926940	9/25/91	2914444	401906	740200	TABA	10/29/91	10/7/91	13	HITZELBERGER CHARLE
89	U.S. ARMY FORT MONMO	BLDG 167	2	M	20	0	2926941	9/25/91	2914444	401906	740200	TABA	10/29/91	10/7/91	14	HITZELBERGER CHARLE
90	U.S. ARMY FORT MONMO	BLDG 167	3	M	20	0	2926942	9/25/91	2914444	401906	740200	TABA	10/29/91	10/4/91	15	HITZELBERGER CHARLE
91	FINN ASSOCIATES	300	MW1	M	25	0	2927972	5/5/92	2913936	401746	740213	DIAD	5/20/92	HWY 36	5/14/92	
92	U S ARMY	EVANS AREA BLDG	R-1	E	20	25	2928031	5/14/92	2914444	401906	740200	TABA	6/25/92	5/20/92	20	SHINN WILLIAM
93	AMERADA HESS CORP	ROUTE 36	MW1O	M	25	0	2928548	8/12/92	2913934	401746	740240	GRAII	9/8/92	8/14/92	22	
94	AMERADA HESS CORP	ROUTE 36	MW11	M	25	0	2928549	8/12/92	2913934	401746	740240	GRAII	9/8/92	8/13/92	22	
95	AMERADA HESS CORP	ROUTE 36	MW12	M	25	0	2928550	8/12/92	2913934	401746	740240	GRAII	9/8/92	8/13/92	22	
96	BENDERSON DEVELOPMEN	ROUTE 36	VW1	M	20	0	2928648	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/21/92	16	
97	BENDERSON DEVELOPMEN	ROUTE 36	VW2	M	20	0	2928649	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/21/92	15	
98	BENDERSON DEVELOPMEN	ROUTE 36	VW3	M	20	0	2928650	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/21/92	14	
99	BENDERSON DEVELOPMEN	ROUTE 36	VW4	M	20	0	2928651	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/21/92	12	
100	BENDERSON DEVELOPMEN	ROUTE 36	VW5	M	20	0	2928652	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/22/92	11	

Well Search Summary
Site 812
U.S. Army Garrison Fort Monmouth, New Jersey

	WELL OWNER	WELL ADDRESS	WELL DESIGNATION	WELL USE CODE	WELL DEPTH (ft)	WELL CAPACITY	PERMIT NUMBER	PERMIT DATE	NJGRID	LATITUDE	LONGITUDE	DRILLER	WELL DATE	COMP. DATE	FIN. DEPTH	WELL CONTACT (If identified)
101	BENDERSON DEVELOPMEN	ROUTE 36	VW6	M	20	0	2928653	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/22/92	11	
102	BENDERSON DEVELOPMEN	ROUTE 36	VW7	M	20	0	2928654	8/27/92	2914711	401800	740200	GRAII	10/8/92	9/22/92	12	
103	BENDERSON DEVELOPMEN	ROUTE 36	MW1	M	20	0	2928669	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/22/92	20	
104	BENDERSON DEVELOPMEN	ROUTE 36	MW2	M	20	0	2928670	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/22/92	25	
105	BENDERSON DEVELOPMEN	ROUTE 36	MW3	M	20	0	2928671	8/27/92	2914711	401800	740200	GRAII	10/27/92	9/22/92	20	
106	U.S. ARMY FORT MONMO	BLDG 167		M	20	0	2928907	10/13/92	2914444	401906	740200	TABA	11/5/92	10/14/92	15	HITZELBERGER KARL
107	U.S. ARMY	513 MOTOR POOL		M	20	0	2928992	10/27/92	2914441	401920	740200	GARS	11/6/92	10/30/92	15	BRITTON CLAUDE
108	U.S. ARMY	513 MOTOR POOL		M	20	0	2928993	10/27/92	2914441	401920	740200	GARS	11/6/92	10/30/92	15	BRITTON CLAUDE
109	U.S. ARMY	513 MOTOR POOL		M	20	0	2928994	10/27/92	2914441	401920	740200	GARS	11/6/92	10/30/92	15	BRITTON CLAUDE
110	U.S. ARMY	513 MOTOR POOL		M	20	0	2928995	10/27/92	2914441	401920	740200	GARS	11/6/92	11/3/92	15	BRITTON CLAUDE
111	DAVIS G. H. MR. & M			(R)1	100	10	2929422	3/23/93	2913923	401800	740253	COLN	4/26/93	3/31/93	114	VAN BRUNT DAVID JR.
112	GETTY PETROLEUM CORP	86 DOREMUS AVENUE	MW1.	M	15	0	2929627	5/4/93	2913681	401839	740319	TYRE	6/18/93	5/7/93	10	
113	GETTY PETROLEUM CORP	157 BROAD STREET	MW2	M	15	0	2929628	5/4/93	2913681	401839	740319	TYRE	7/22/93	5/7/93	10	
114	GETTY PETROLEUM CORP	157 BROAD STREET	MW3	M	15	0	2929629	5/4/93	2913681	401839	740319	TYRE	7/22/93	5/7/93	10	
115	JERSEY CENTRAL POWER	201 MONMOUTH ROAD	1	M	4	0	2930262	9/23/93	2913935	401746	740226	ENVI	1/13/94	10/14/93	12	LYNCH THOMAS
116	MASON CARL	126 S. PEMBERTON AVENUE	W1	G	20	10	2930388	11/1/93	2913683	401839	740253	PARE	2/28/95	1/12/95	25	
117	U S ARMY FORT MONMOU			M	15	0	2930957	4/5/94	2914444	401906	740200	TYRE	7/27/94	7/6/94	15	BECK MICHAEL E.
118	U S ARMY FORT MONMOU		MW-1	M	15	0	2930961	4/5/94	2913667	401853	740240	TYRE	7/27/94	7/15/94	13	BECK MICHAEL E.
119	U S ARMY FORT MONMOU		MW-1	M	15	0	2930962	4/5/94	2914444	401906	740200	TYRE	7/27/94	7/8/94	15	BECK MICHAEL E.
120	U S ARMY FORT MONMOU			M	15	0	2930963	4/5/94	2914444	401906	740200	TYRE	7/27/94	7/7/94	15	BECK MICHAEL E.
121	U S ARMY FORT MONMOU		MW-1	M	15	0	2930964	4/5/94	2914444	401906	740200	TYRE	7/27/94	7/6/94	15	BECK MICHAEL E.
122	U S ARMY FORT MONMOU		MW-1	M	15	0	2930965	4/5/94	2913655	401906	740306	TYRE	7/27/94	7/11/94	15	BECK MICHAEL E.
123	U S ARMY FORT MONMOU			M	15	0	2930966	4/5/94	2913656	401906	740253	TYRE	7/27/94	7/15/94	13	BECK MICHAEL E.
124	U S ARMY FORT MONMOU			M	15	0	2930967	4/5/94	2913656	401906	740253	TYRE	7/27/94	7/14/94	13	BECK MICHAEL E.
125	U S ARMY FORT MONMOU		MW-1	M	15	0	2930968	4/5/94	2913656	401906	740253	TYRE	7/27/94	7/8/94	15	BECK MICHAEL E.
126	U S ARMY FORT MONMOU		MW-7	M	15	0	2930973	4/5/94	2913664	401906	740240	TYRE	7/27/94	7/12/94	13	BECK MICHAEL E.
127	U S ARMY FORT MONMOU		MW-B	M	15	0	2930974	4/5/94	2913664	401906	740240	TYRE	7/27/94	7/12/94	13	BECK MICHAEL E.
128	U S ARMY FORT MONMOU		MW-3	M	15	0	2930975	4/5/94	2913661	401920	740240	TYRE	7/29/94	7/11/94	13	BECK MICHAEL E.
129	U S ARMY FORT MONMOU		MW-66	M	15	0	2930976	4/5/94	2913661	401920	740240	TYRE	7/29/94	7/14/94	13	BECK MICHAEL E.
130	U S ARMY FORT MONMOU		MW-1	M	15	0	2930979	4/5/94	2913656	401906	740253	TYRE	7/27/94	7/11/94	15	BECK MICHAEL E.
131	U S ARMY FORT MONMOU		MW-1	M	15	0	2930980	4/5/94	2913664	401906	740240	TYRE	7/27/94	7/13/94	13	BECK MICHAEL E.
132	SHELL OIL COMPANY	1 MAIN STREET	GT1O2	M	25	0	2931158	5/4/94	2914447	401853	740200	KAVL	6/29/94	6/1/94	12	KAVLUNAS MICHAEL
133	SHELL OIL COMPANY	1 MAIN STREET	GT1O1	M	25	0	2931159	5/4/94	2914447	401853	740200	KAVL	6/29/94	6/1/94	12	KAVLUNAS MICHAEL
134	MURPHY HENRY & JOYC	WELFHILL AVENUE	34	G	30	10	2931552	6/30/94	2914449	401853	740133	PARE	8/29/94	7/13/94	35	PARENT GARY
135	US ARMY FORT MONMOUT	SELFM-PW-EV	MW1	M	15	0	2931772	8/3/94	2913664	401906	740240	TYRE	10/13/94	9/14/94	12.5	
136	US ARMY FORT MONMOUT	SELFM-PW-EV	MW1	M	15	0	2931773	8/3/94	2913664	401906	740240	TYRE	10/13/94	9/14/94	10	
137	US ARMY FORT MONMOUT	SELFM-PW-EV	MW1	M	15	0	2931774	8/3/94	2913664	401906	740240	TYRE	10/13/94	9/15/94	13	
138	US ARMY FORT MONMOUT	SELFM-PW-EV	MW1	M	15	0	2931775	8/3/94	2913664	401906	740240	TYRE	10/13/94	9/22/94	12	
139	US ARMY FORT MONMOUT	SELFM-PW-EV	MW1	M	15	0	2931780	8/3/94	2913656	401906	740253	TYRE	10/13/94	9/13/94	12.5	
140	US ARMY FORT MONMOUT	SELFM-PW-EV	MW2	M	15	0	2931781	8/3/94	2913656	401906	740253	TYRE	10/13/94	9/13/94	12.5	
141	US ARMY FORT MONMOUT	SELFM-PW-EV		M	15	0	2931782	8/3/94	2913656	401906	740253	TYRE	10/13/94	9/13/94	12.5	
142	US ARMY FORT MONMOUT	SELFM-PW-EV	MW1	M	15	0	2931785	8/3/94	2913655	401906	740306	TYRE	10/13/94	9/12/94	15	
143	US ARMY ENGINEERS DI	SHERILL & MESSINGE AVES	B3	B	30	0	2932189	10/4/94	2913655	401906	740306	GEOR	10/26/94	10/21/94	12	
144	US ARMY ENGINEERS DI	SHERILL & MESSINGE AVES	B1	B	30	0	2932190	10/4/94	2913655	401906	740306	GEOR	10/26/94	10/19/94	47	
145	US ARMY ENGINEERS DI	SHERILL & MESSINGER AVES	B2	B	30	0	2932191	10/4/94	2913655	401906	740306	GEOR	10/26/94	10/20/94	32	
146	US ARMY ENGINEERS DI	SHERILL & MESSINGER AVES	B4	B	30	0	2932192	10/4/94	2913655	401906	740306	GEOR	10/26/94	10/20/94	27	
147	U. S. ARMY (DIRECTOR	BLDG 167	MW-12	M	25	0	2932560	11/29/94	2913656	401906	7402	ANDE	4/20/95	12/20/94	15	BURGER JR. STEVAN
148	U. S. ARMY (DIRECTOR	BLDG 167	MW-13	M	25	0	2932561	11/29/94	2913656	401906	740253	ANDE	4/20/95	1/17/95	15	REEVE WELLINGTON
149	U. S. ARMY (DIRECTOR	BLDG 167	MW-14	M	25	0	2932562	11/29/94	2913656	401906	7402	ANDE	4/20/95	1/16/95	15	REEVE WELLINGTON
150	U. S. ARMY (DIRECTOR	BLDG 167	MW-1S	M	25	0	2932563	11/29/94	2913656	401906	7402	ANDE	4/20/95	1/17/95	15	REEVE WELLINGTON

Well Search Summary
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	WELL OWNER	WELL ADDRESS	WELL DESIGNATION	WELL USE CODE	WELL DEPTH (ft)	WELL CAPACITY	PERMIT NUMBER	PERMIT DATE	NJGRID	LATITUDE	LONGITUDE	DRILLER	WELL DATE	COMP. DATE	FIN. DEPTH	WELL CONTACT (If identified)
151	U. S. ARMY (DIRECTOR	BLDG 167	MW-24	M	25	0	2932565	11/29/94	2913656	401906	7402	ANDE	4/20/95	1/13/95	15	REEVE WELLINGTON
152	U. S. ARMY (DIRECTOR	BLDG 167	MW-25	M	25	0	2932566	11/29/94	2913656	401906	7402	ANDE	4/20/95	1/13/95	15	REEVE WELLINGTON
153	U. S. ARMY (DIRECTOR	BLDG 167	B4MW04-	M	25	0	2932567	11/29/94	2913656	401906	7402	ANDE	4/20/95	1/9/95	15	REEVE WELLINGTON
154	U. S. ARMY (DIRECTOR	BLDG 167	MW-4	M	25	0	2932568	11/29/94	2913655	401906	7403	Ab1DE	4/20/95	1/11/95	23	BURGER JR. STEVAN
155	U. S. ARMY (DIRECTOR	BLDG 167	MW-S	M	25	0	2932569	11/29/94	2913655	401906	7403	Ab1DE	4/20/95	1/9/95	16	BURGER JR. STEVAN
156	U. S. ARMY (DIRECTOR	BLDG 167	MW-+6	M	25	0	2932570	11/29/94	2913655	401906	7403	ANDE	4/20/95	1/1/95	15	REEVE WELLINGTON
157	U. S. ARMY (DIRECTOR	BLDG 167	MW-7	M	25	0	2932571	11/29/94	2913655	401906	7403	ANDE	4/20/95	12/14/94	16	BURGER JR. STEVAN
158	U. S. ARMY (DIRECTOR	BLDG 167	MW-B	M	25	0	2932572	11/29/94	2913655	401906	7403	Ab1DE	4/20/95	12/13/94	19	BURGER JR. STEVAN
159	U. S. ARMY (DIRECTOR	BLDG 167	MW-9	M	25	0	2932573	11/29/94	2913655	401906	7403	ANDE	4/20/95	12/13/94	22	BURGER JR. STEVAN
160	U. S. ARMY (DIRECTOR	BLDG 167	MW1.0	M	25	0	2932574	11/29/94	2913655	401906	7403	Ab1DE	4/20/95	12/14/94	15	BURGER JR. STEVAN
161	U. S. ARMY (DIRECTOR	BLDG 167	MW1.1	M	25	0	2932575	11/29/94	2913655	401906	7403	Ab1DE	4/20/95	12/15/94	15	BURGER JR. STEVAN
162	U. S. ARMY (DIRECTOR	BLDG 167	MW1.6	M	25	0	2932576	11/29/94	2913668	401853	7402	Ab1DE	4/20/95	1/4/95	15	BURGER JR. STEVAN
163	U. S. ARMY (DIRECTOR	BLDG 167	MW1.7	M	25	0	2932577	11/29/94	2913668	401853	7402	Ab1DE	4/20/95	1/11/95	15	BURGER JR. STEVAN
164	U. S. ARMY (DIRECTOR	BLDG 167	MW1.8	M	25	0	2932578	11/29/94	2913668	401853	7402	ANDE	4/20/95	1/11/95	15	BURGER JR. STEVAN
165	U. S. ARMY (DIRECTOR	BLDG 167	MW1.9	M	25	0	2932579	11/29/94	2913668	401853	7402	ANDE	4/20/95	1/4/95	15	BURGER JR. STEVAN
166	U. S. ARMY (DIRECTOR	BLDG 167	MW20	M	25	0	2932580	11/29/94	2913668	401853	7402	Ab1DE	4/20/95	1/4/95	15	REEVE WELLINGTON
167	U. S. ARMY (DIRECTOR	BLDG 167	MW21	M	25	0	2932581	11/29/94	2913668	401853	7402	Ab1DE	4/20/95	1/4/95	16	BURGER JR. STEVAN
168	U. S. ARMY (DIRECTOR	BLDG 167	MW22	M	25	0	2932582	11/29/94	2913668	401853	7402	Ab1DE	4/20/95	12/15/94	15	REEVE WELLINGTON
169	U. S. ARMY (DIRECTOR	BLDG 167	B5	M	25	0	2932583	11/29/94	2913668	401853	7402	Ab1DE	4/20/95	1/11/95	15	REEVE WELLINGTON
170	U. S. ARMY (DIRECTOR	BLDG 167	MW-01	M	25	0	2932584	11/29/94	2913681	401839	7403	Ab1DE	4/20/95	12/14/95	22	REEVE WELLINGTON
171	U. S. ARMY (DIRECTOR	BLDG 167	MW-02	M	25	0	2932585	11/29/94	2913681	401839	7403	ANDE	4/20/95	12/13/95	17	REEVE WELLINGTON
172	U. S. ARMY (DIRECTOR	BLDG 167	MW-03	M	25	0	2932586	11/29/94	2913681	401839	7403	Ab1DE	4/20/95	12/13/95	15	REEVE WELLINGTON
173	U. S. ARMY (DIRECTOR	BLDG 167	MW-O1B	M	25	0	2932587	11/29/94	2913681	401839	7403	Ab1DE	4/20/95	1/9/95	14	BURGER JR. STEVAN
174	U. S. ARMY (DIRECTOR	BLDG 167	MW-02B	M	25	0	2932588	11/29/94	2913681	401839	7403	ANDE	4/20/95	1/6/95	20	BURGER JR. STEVAN
175	U. S. ARMY (DIRECTOR	BLDG 167	MW-03B	M	25	0	2932589	11/29/94	2913681	401839	7403	Ab1DE	4/20/95	1/9/95	26	BURGER JR. STEVAN
176	UNITED STATES GOVERN	FORT MONMOUTH ARMY	B1-B10	B	50	0	2932743	1/20/95	2913656	401906	740253	UNIT	3/6/95	BASE	2/9/95	
177	AMERADA HESS CORP.	1 HESS PLAZA	MW-9	M	22	0	2932937	3/13/95	2913934	401746	740240	GRAII	3/28/95	3/21/95	24	VOGT JOHN
178	AMERADA HESS CORP.	1 HESS PLAZA	MW1O	M	22	0	2932938	3/13/95	2913934	401746	740240	GRAII	3/28/95	3/21/95	24	VOGT JOHN
179	US ARMY - FORT MONMO	BLDG	1122	M	20	0	2933754	7/19/95	2914444	401906	740200	PARE	10/2/95	9/12/95	15	PARENT GARY
180	US ARMY - FORT MONMO	FT. MONMOUTH	1122MW1	M	20	0	2933755	7/19/95	2914444	401906	740200	PARE	11/8/95	9/12/95	18	PARENT GARY
181	EATONTOWN BOROUGH OF	20 LEWIS STREET	MW-7	M	20	0	2933769	7/19/95	2913659	401853	740253	PARE	7/31/95	7/25/95	13	PARENT GARY
182	EATONTOWN BOROUGH OF	20 LEWIS STREET	MW8	M	20	0	2933770	7/19/95	2913659	401853	740253	PARE	7/31/95	7/25/95	13	PARENT GARY
183	EATONTOWN BOROUGH OF	21 LEWIS STREET	MW-3	M	20	0	2933771	7/19/95	2913659	401853	740253	PARE	7/31/95	7/25/95	13	PARENT GARY
184	EATONTOWN BOROUGH OF	21 LEWIS STREET	MW-4	M	20	0	2933772	7/19/95	2913659	401853	740253	PARE	7/31/95	7/25/95	13	PARENT GARY
185	EATONTOWN BOROUGH OF	21 LEWIS STREET	MW-S	M	20	0	2933773	7/19/95	2913659	401853	740253	PARE	7/31/95	7/25/95	13	PARENT GARY
186	US ARMY - FT. MONMOU	BLDG. 167 DEH ENV.	MW296-4	M	20	0	2933989	8/18/95	2913661	401920	740240	PARE	9/18/95	9/12/95	10	PARENT GARY
187	GETTY PETROLEUM CORP	157 BROAD ST.	MW1.2	M	25	0	2934248	9/28/95	2913684	401826	740319	AQUI	11/1/95	10/4/95	15	MALACK GERALD A
188	GETTY PETROLEUM CORP	157 BROAD ST.	MW1.1	M	25	0	2934249	9/28/95	2913684	401826	740319	AQUI	11-01-199S	10/4/95	15	MALACK GERALD A
189	GETTY PETROLEUM CORP	157 BROAD ST.	MW1.0	M	25	0	2934250	9/28/95	2913684	401826	740319	AQUI	11/1/95	10/5/95	15	MALACK GERALD A
190	GETTY PETROLEUM CORP	157 BROAD ST.	MW9	M	25	0	2934251	9/28/95	2913684	401826	740319	AQUI	11/1/95	10/5/95	15	MALACK GERALD A
191	GETTY PETROLEUM CORP	157 BROAD T.	MW7	M	25	0	2934252	9/28/95	2913684	401826	740319	AQUI	11/1/95	10/5/95	15	MALACK GERALD A
192	ALLIED SIGNAL-BENDIX	118 HIGHWAY 35	RW#3	E	45	4	2935127	4/2/96	2913687	401813	740319	HAND	1/14/97	10/3/96	34	KOVELESKY STEVE
193	ALLIED SIGNAL-BENDIX	118 HIGHWAY 35	RW#4	E	45	4	2935128	4/2/96	2913687	401813	740319	HAND	12/2/96	10/3/96	34	KOVELESKY STEVE
194	ALLIED SIGNAL-BENDIX	118 HIGHWAY 35	RW#2	E	45	4	2935129	4/2/96	2913687	401813	740319	HAND	12/3/96	10/4/96	34	KOVELESKY STEVE
195	ALLIED SIGNAL-BENDIX	118 HIGHWAY 35	RW#6	E	45	4	2935130	4/2/96	2913687	401813	740319	HAND	12/2/96	10/4/95	34	KOVELESKY STEVE
196	U. S. ARMY	COOREGIDOR RD.	MW2B1	M	50	0	2935312	5/1/96	2913657	401853	740319	GRAII	5/15/96	5/2/96	41	VOGT JOHN
197	U. S. ARMY	COOREGIDOR RD.	MW282	M	50	0	2935313	5/1/96	2913657	401853	740319	GRAII	5/15/96	5/2/96	16	VOGT JOHN
198	U. S. ARMY	COOREGIDOR RD.	MW291	M	50	0	2935314	5/1/96	2913657	401853	740319	GRAII	5/15/96	5/3/96	16	VOGT JOHN
199	GETTY PETROLEUM CORP	157 BROAD ST.	MW-1.3	M	20	0	2935585	6/19/96	2913684	401826	740319	PARE	7/31/96	7/3/96	20	PARENT GARY
200	OAKHURST SERVICE CEN	ROOSEVELT AVE.	MW#5	M	25	0	2935731	7/17/96	2914484	401826	740119	LUTZ	8/15/96	8/8/96	20	TABOR RICHARD J1.598

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Site 812
U.S. Army Garrison Fort Monmouth, New Jersey

	WELL OWNER	WELL ADDRESS	WELL DESIGNATION	WELL USE CODE	WELL DEPTH (ft)	WELL CAPACITY	PERMIT NUMBER	PERMIT DATE	NJGRID	LATITUDE	LONGITUDE	DRILLER	WELL DATE	COMP. DATE	FIN. DEPTH	WELL CONTACT (If identified)
201	OAKHURST SERVICE CEN	ROOSEVELT AVE.	MW#6	M	25	0	2935732	7/17/96	2914484	401826	740119	LUTZ	8/15/96	8/8/96	20	TABOR RICHARD
202	ALLIED SIGNAL/BENDIX	118 HIGHWAY 35	RW5	E	35	4	2935931	8/29/96	2913688	401813	740306	HAND	12/2/96	10/7/96	34	KOVELESKY STEVE
203	AMERADA HESS CORP	ROUTE 36	VW1	V	20	0	2936816	4/14/97	2913934	401746	740240	GRAII	7/17/97	6/23/97	11	YOTCOSKI STEVE
204	AMERADA HESS CORP	ROUTE 36	VW2	V	20	0	2936817	4/14/97	2913934	401746	740240	GRAII	7/17/97	6/23/97	11	YOTCOSKI STEVE
205	AMERADA HESS CORP	ROUTE 36	VW3	V	20	0	2936818	4/14/97	2913934	401746	740240	GRAII	7/17/97	6/23/97	11	YOTCOSKI STEVE
206	AMERADA HESS CORP	ROUTE 36	VW4	V	20	0	2936819	4/14/97	2913934	401746	740240	GRAII	7/17/97	6/23/97	11	YOTCOSKI STEVE
207	AMERCOM ENG CORP	RT 36	B1-B7	B	40	0	2936995	5/27/97	2914484	401826	740119	LIPP	9/10/97	7/18/97	40	WOODINGTON BARRIE
208	SCAVONE MARJORIE	80 REYNOLDS DR	1	D	180	12	2937223	7/7/97	2913931	401800	740240	RAYS	2/23/98	10/29/97	90	PETERS RAY
209	ALLIED SIGNAL/BENDIX	118 HIGHWAY 35	TRW-2	E	35	8	2937602	9/11/97	2913688	401813	740306	HAND	Feb-97	9/24/97	22	KOVELESKY STEPHEN
210	ALLIED-SIGNAL/BENDIX	118 HIGHWAY 35	TRW-3	E	35	8	2937603	9/11/97	2913688	401813	740306	HAND	Feb-97	9/24/97	21.5	KOVELESKY STPHEN
211	ALLIED SIGNAL/BENDIX	118 HIGHWAY 35	U-2	E	35	8	2937604	9/11/97	2913688	401813	740306	HAND	Feb-97	9/24/97	22	KOVELESKY STEPHEN
212	ALLIED SIGNAL/BENDIX	118 HIGHWAY 35	TRW-1	E	35	8	2937605	9/11/97	2913688	401813	740306	HAND	Feb-97	9/25/97	21.5	KOVESLESKY STEPHEN
213	ALLIED-SIGNAL/BENDIX	118 HIGHWAY 35	U-1	E	35	8	2937606	9/11/97	2913688	401813	740306	HAND	Feb-97	9/25/97	21.5	KOVESLESKY STEPHEN
214	UNITED STATES ARMY	RT. 35	SPG-1	V	25	0	2937737	10/8/97	2913657	401853	740319	PARE	1/9/98	12/2/97	22	GRANESE MIKE
215	UNITED STATES ARMY	RT. 35	SPG-2	V	25	0	2937738	10/8/97	2913657	401853	740319	PARE	1/9/98	12/2/97	22	GRANESE MIKE
216	UNITED STATES ARMY	RT. 35		V	25	0	2937739	10/8/97	2913657	401853	740319	PARE	1/9/98	12/2/97	6	GRANESE MIKE
217	UNITED STATES ARMY	RT. 35	SVE-2	V	25	0	2937740	10/8/97	2913657	401853	740319	PARE	1/9/98	12/2/97	6	GRANESE MIKE
218	TUNGRIAN BOB & LISA	6 STIRRUP LN.		(R)1	50	10	2937867	11/13/97	2913932	401800	740226	RPMI	12/12/97	11/16/97	240	MAYER CHRIS S
219	WATERS EDGE TOWN HOM	4 OCEANPORT AVE.		G	120	35	2937878	11/14/97	2914447	401853	740200	MCCR	4/16/98	2/3/98	280	VAN DUSON ALLEN
220	BURNS SUZANNE	1281EATONTOWN BLVD		M	30	0	2938172	2/11/98	2913695	401826	740226	PARE				
221	MONMOUTH GRACE U.M.	REYNOLDS DRIVE		D	100	16	2938320	11	2913923	25	3/13/98	AQUA	401800			
222	AMERADA HESS CORP.	SO. MONMOUTH ROAD	MW-1S	M	30	0	2938420	4/3/98	2913934	401746	740240	GRAII	4/21/98	4/16/98	15	BURTON JIM
223	CP MANAGEMENT GROUP	271 HIGHWAY-36		M	20	0	2938431	4/6/98	2914714	401746	740200	DIAD				
224	CP MANAGEMENT GROUP	271 HIGHWAY 36		M	20	0	2938768	6/5/98	2914714	401746	740200	DIAD				
225	CP MANAGEMENT GROUP	271 HIGHWAY 36		M	20	0	2938769	6/5/98	2914714	401746	740200	DIAD				
226	N J DOT	RT. 36 MEDIAN @ MONMOUTH		M	20	0	2939277	9/9/98	2914714	401746	740200	DIAD				
227	US ARMY - FT. MONMOU	SELSM-EH-MC BLDG 2700		H	300	0	2939550	10/21/98	2913695	401826	740226	STOT				
228	GETTY PROPERTIES COR	157 BROAD ST		M	20	0	2939826	1/7/99	2913681	401839	740319	AQUI				

Search date: 18 January 2001.

Well search was performed for a 1-mile radius surrounding the center point of Site 812, U.S. Army Garrison Fort Monmouth, Fort Monmouth, New Jersey.

Well Use Codes

A - Unknown/Well Record Use Only
B - Boring
C - Commercial
D - Domestic (Potable)
E - Recovery/Decontamination Pollution Control/Leachate with Pump Capacity
F - Fire
G - Irrigation
H - Heat Pump/Geothermal (Return Well)
I - Industrial
J - Injection
K - Inclinometer
L - Livestock
M - Monitoring Well (Observation)
N - Public Non Community
O - Oil/Gas Exploration
P - Public Supply
Q - Recharge
R - Replacement (Replacement Codes: 1 - Domestic; 2 - Public Community, 5 - Irrigation)
S - Closed Loop
T - Test
U - Non Public (Supply)
V - Gas Vent
W - Dewatering
X - Agricultural/Horticultural/IrrigationWells
Y - Cathodic Protection
Z - Piezometer

APPENDIX G

ANALYTICAL DATA PACKAGE
(*under separate cover*)

Appendix B

Discharge to Ground Water Permit by Rule: Fort Monmouth Notification Letter and NJDEP Extension of Permit by Rule

State of New Jersey

James E. McGreevey
Governor

Department of Environmental Protection

Bradley M. Campbell
Commissioner

Mr. Joseph Fallon
Directorate of Public Works
Headquarters, U.S. Army Garrison Fort Monmouth
Fort Monmouth, NJ 07703 - 5101

OCT - 1 2002

Re: RAWP Approval and Permit-by-Rule Extension Site 812
Fort Monmouth Main Post
Tinton Falls, Monmouth County

Dear Mr. Fallon:

The NJDEP has reviewed the June 2001 Final Remedial Investigation and Remedial Action Workplan for Site 812 and we approve the document as submitted. In addition to this approval, the NJDEP extends the existing Permit-by-Rule one hundred eighty (180) calendar days for Site 812 by this letter. The extension shall commence upon initiation of the proposed Hydrogen Releasing Compounds (HRC) injection remedial actions at Site 812. This extension is granted upon request and receipt of the September18, 2002 New Jersey Pollution Discharge Elimination System permit extension application for Site 812 from you.

The NJDEP will review the next few rounds of ground water monitoring results with you to determine the most appropriate next step. Should it be determined that subsequent HRC injections would be the most appropriate remedial action, the NJDEP shall review and comment on or issue a NJPDES permit for which you have applied.

This letter provides authorization of discharges to ground water by Permit-by-Rule in accordance with the New Jersey Pollution Elimination System regulations (N.J.A.C. 7:14A et seq.) and the subsequent ground water monitoring program conducted by the ARMY.

The NJDEP requires that ***all*** environmental sampling must be provided in electronic format. Temporary dispensation has been provided based on negotiation with Fort Monmouth and NJDEP management. Please provide me with a schedule for completion and submittal of EDSA information. For further information, please visit our web-site home page and specifically: http://www.state.nj.us/dep/srp/hazsite/index.htmi.

If you should have any questions or comments, please do not hesitate to contact me at (609) 633-7232 or via E-mail.

Sincerely,

Ian R. Curtis, Case Manager
Bureau of Case Management
ICURTIS@DEP.STATE.NJ.US

FTMMTH115IRC.DOC

DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY GARRISON FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5101

REPLY TO
ATTENTION OF

Directorate of Public Works

September 18, 2002

State of New Jersey
Department of Environmental Protection
Division of Responsible Party Site Remediation
Bureau of Case Management
401 East State Street
ATTN: Mr. Ian Curtis
PO Box 028
Trenton, New Jersey 08625-0028

RE: **SITE 812 – MAIN POST**
Discharge to Groundwater Permit-by-Rule Extension, Fort Monmouth, New Jersey

Dear Mr. Curtis:

On behalf of the U.S. Army Fort Monmouth, Directorate of Public Works (DPW), VERSAR, Inc. (VERSAR) prepared and submitted the *Final Remedial Investigation Report & Remedial Action Workplan, Site 812, Fort Monmouth, New Jersey* (RAWP), dated June 2001. In Section 4.2.3.1, Required Permits and Approvals, authorization for the discharge to groundwater by Permit-by-Rule was requested for the purpose of enhancing the natural attenuation of the contaminants of concern using Hydrogen Release Compound (HRC) subsurface application. In June 2001, the DPW received verbal approval from you, which allowed for the initial injection of HRC at Site 812. The injection of HRC began the last week of June and was completed in the first week of August 2001 in accordance with the RAWP and under the provisions of the NJDEP Permit-by-Rule program.

As stated in your February 4, 2002 letter regarding the M-5 Landfill site, the initial Permit-by Rule allowance of 180-calender days may be extended for an additional 180-calender day period for a remedial action involving these compounds. Therefore, the DPW requests an extension to the initial 180-calender day period for the continuation of the HRC subsurface injection program at Site 812. The second application of HRC is expected to begin in late September 2002, pending your approval. If you should have any questions or comments related to this request or Site 812, please feel free to contact the undersigned at your convenience, (732) 532-6223.

Sincerely,

Joseph M. Fallon

Joseph M. Fallon, CHMM
Environmental Team Leader
Directorate of Public Works

Appendix C

Material Safety Data Sheet for Hydrogen Release Compound®

Hydrogen Release Compound (HRC®)
MATERIAL SAFETY DATA SHEET (MSDS)

Last Revised: **February 10, 2004**

Section 1 - Material Identification

Supplier:

REGENESIS

1011 Calle Sombra
San Clemente, CA 92673
Phone: **949.366.8000**
Fax: **949.366.8090**
E-mail: **info@regenesis.com**

Chemical Name:	**Propanoic acid, 2-[2-[2-(2-hydroxy-1-oxopropoxy)-1-oxopropoxy]-1-oxopropoxy]-1,2,3-propanetriyl ester**
Chemical Family:	**Organic Chemical**
Trade Name:	**Hydrogen Release Compound® (HRC®)** **Glycerol tripolylactate and Glycerol**
Product Use:	**Used to remediate contaminated soil and groundwater (environmental applications)**

Section 2 – Chemical Identification

CAS#	Chemical
201167-72-8	Glycerol Tripolylactate
56-81-5	Glycerol
50-21-5	Lactic Acid

Section 3 - Physical Data

Melting Point:	**Not Available (NA)**
Boiling Point:	**Not Determined (ND)**
Flash Point:	**ND**
Density:	**1.3 g/cc**

Section 3 – Physical Data (cont)

Solubility:	**Acetone and DMSO**
Appearance:	**Viscous amber gel/liquid**
Odor:	**Not detectable**
Vapor Pressure:	**None**

Section 4 - Fire and Explosion Hazard Data

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

Water may be used to keep exposed containers cool.

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

Section 5 - Toxicological Information

Acute Effects:	**May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the glycerol tripolylactate have not been investigated. Listed below are the toxicological information for glycerol and lactic acid.**
RTECS#:	**MA8050000** **Glycerol**
Irritation data:	**SKN-RBT 500 MG/24H MLD BIOFX* 9-4/1970** **85JCAE-,207,1986 85JCAE-,207,1986** **EYE-RBT 126 MG MLD 85JCAE -,656,86** **EYE-RBT 500 MG/24H MLD AJOPAA 29,1363,46** **SKN-RBT 5MG/24H SEV** **EYE-RBT 750 UG SEV**

Section 5 – Toxicological Information (cont)

Toxicity data:	**ORL-MUS LD50:4090 MG/KG**	**NIIRDN 6,215,1982**
	FRZKAP (6),56,1977	**FEPRA7 4,142,1945**
	SCU-RBT LD50:100 MG/KG	**RCOCB8 56,125,1987**
	ORL-RAT LD50:12600 MG/KG	**ARZNAD 26,1581,1976**
	IHL-	**ARZNAD 26,1579,1978**
	RATLC50:>570MG/M3/1HBIO	**NIIRDN 6,215,1982**
	FX*9-4/1970 IPR-RAT LD50:	**JAPMA8 39,583,1950**
	4420 MG/KG	**DMDJAP 31,276,1959**
	IVN-RAT LD50: 5566 MG/KG	**BIOFX* 9-4/1970**
	IPR-MUS LD50: 8700 MG/KG	**NIIRDN 6,215,1982**
	SCU-MUS LD50: 91 MG/KG	**FMCHA2-,C252,91**
	IVN-MUS LD50: 4250 MG/KG	**FMCHA2-,C252,91**
	ORL-RBT LD50: 27 GM/KG	**FAONAU 40,144,67**
	SKN-RBT LD50:>10GM/KG	**JIHTAB 23,259,41**
	IVN-RBT LD50: 53 GM/KG	**FMCHA2-,C252,91**
	ORL-GPG LD50: 7750 MG/KG	**JIHTAB 23,259,1941**
	ORL-RAT LD50:3543 MG/KG	
	SKN-RBT LD50:>2 GM/KG	
	ORL-MUS LD50: 4875 MG/KG	
	ORL-GPG LD50: 1810 MG/KG	
	ORL-QAL LD50: >2250 MG/KG	
Target Organ data:	**Behavioral (headache), gastrointestinal (nausea or vomiting), Paternal effects (spermatogenesis, testes, epididymis, sperm duct), effects of fertility (male fertility index, post-implantation mortality).**	
RTECS#:	**OD2800000** **Lactic acid**	

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

Section 6 - Health Hazard Data

Handling:	**Avoid continued contact with skin. Avoid contact with eyes.**

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

First Aid Procedures

Inhalation:	**Remove to fresh air. If not breathing give artificial respiration. In case of labored breathing give oxygen. Call a physician.**
Ingestion:	**No effects expected. Do not give anything to an unconscious person. Call a physician immediately.**
Skin Contact:	**Flush with plenty of water. Contaminated clothing may be washed or dry cleaned normally.**
Eye contact:	**Wash eyes with plenty of water for at least 15 minutes lifting both upper and lower lids. Call a physician.**

Section 7 - Reactivity Data

Conditions to Avoid:	**Strong oxidizing agents, bases and acids**
Hazardous Polymerization:	**None known**
Further Information:	**Hydrolyses in water to form Lactic Acid and Glycerol.**

Section 8 - Spill, Leak or Accident Procedures

After Spillage or Leakage:	**Neutralization is not required. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber.**
Disposal:	**Laws and regulations for disposal vary widely by locality. Observe all applicable regulations and laws. This material, may be disposed of in solid waste. Material is readily degradable and hydrolyses in several hours.**

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

Section 9 - Special Protection or Handling

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

Protective Gloves:	**Vinyl or Rubber**
Eyes:	**Splash Goggles or Full Face Shield** **Area should have approved means of washing eyes.**
Ventilation:	**General exhaust.**
Storage:	**Store in cool, dry, ventilated area. Protect from incompatible materials.**

Section 10 - Other Information

This material will degrade in the environment by hydrolysis to lactic acid and glycerol. Materials containing reactive chemicals should be used only by personnel with appropriate chemical training.

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

Appendix D

Ground Water Monitoring Well Laboratory Analytical Data
4th Quarter 2003 through 4th Quarter 2008

(Reports supplied on disc only.)

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
3066504	0812MW01	29-42572	10/20/03
3066505	0812MW02	29-42573	10/20/03
3066506	0812MW03	29-42574	10/20/03
3067204	0812MW04	29-42575	10/22/03
3067205	0812MW05	29-42576	10/22/03
3067206	0812MW06	29-42577	10/22/03
3067207	0812MW07	29-42578	10/22/03
3067208	0812MW08	29-42579	10/22/03
3067209	0812MW09	29-42580	10/22/03
3067210	0812MW10	29-42581	10/22/03
3067211	0812MW11	29-42582	10/22/03
3067212	0812MW12	29-42583	10/22/03
3067213	0812MW13	29-42584	10/22/03
3067214	0812MW14	29-42888	10/22/03

NJDEP Laboratory Certification # 13461

1-5-04

Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608

LTM Depth to Water

Location: 812
Date: 10/20/03

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
0812MW01	29-42572	48.62	4	8.52
0812MW02	29-42573	47.91	4	6.14
0812MW03	29-42574	46.81	4	6.31
0812MW04	29-42575	6.62	4	3.97
0812MW05	29-42576	17.59	4	9.73
0812MW06	29-42577	15	4	7.57
0812MW07	29-42578	17.31	4	10.76
0812MW08	29-42579	15.26	4	6.57
0812MW09	29-42580	15.6	4	6.09
0812MW10	29-42581	15.31	4	6.91
0812MW11	29-42582	14.55	4	5.49
0812MW12	29-42583	15.31	4	3.94
0812MW13	29-42584	18.55	4	10.41
0812MW14	29-42888	14.65	4	8.38

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 #: X210223
(X)DERA ( )OMA ( )Other:
Samplers Name / Company: Corey McCormack, TVS

Project No:
Location: 812 wells
4th Qtr '03

Comments: HCL/HNO_3/4°C

LIMS/Work Order #		Sample Location	Date	Time	Sample Type	# bottles	VOTIS	TAL mtls	Pest/PCB	BNA+25				Hno Read	Remarks / Preservation Method
30005	01	Trip	10/20/03	0750	AQ	2	✓							—	
	02	Field Blank		0830		5	✓	✓	✓	✓				—	
	03	Dupe		—		5	✓	✓	✓	✓				—	
	04	812 mw01 *		1033			✓	✓	✓	✓				0.0	29-42572
	05	812 mw02		1222			✓	✓	✓	✓				0.0	29-42573
	06	812 mw03		1429			✓	✓	✓	✓				0.0	29-42574

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/20/03 1500	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: N/A

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 426223
(X)DERA ( )OMA ( )Other:

Project No:
Location: 812 wells
~~4th~~ 4th Qrtr '03 P+I

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: [illegible]

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	TAL MTLS	Pest/PCB	BNA 425				Hnu Read	Remarks / Preservation Method
30672 01	Trip	10/22/03	0800	AQ	2	✓							—	
02	Field Blank		0900		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	812mw04		0913		5	✓	✓	✓	✓				6.3	29-42575
05	812mw05		1149			✓	✓	✓	✓				0.0	29-42576
06	812mw06		0939			✓	✓	✓	✓				0.0	29-42577
07	812mw07		1134			✓	✓	✓	✓				0.0	29-42578
08	812mw08		0952			✓	✓	✓	✓				0.0	29-42579
09	812mw09		0945			✓	✓	✓	✓				0.0	29-42580
10	812mw10		0927			✓	✓	✓	✓				0.0	29-42581
11	812mw11		1141			✓	✓	✓	✓				0.0	29-42582
12	812mw12		1203			✓	✓	✓	✓				0.0	29-42583
13	812mw13		1340			✓	✓	✓	✓				0.0	29-42584
14	812mw14		0920			✓	✓	✓	✓				0.0	29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/22/03 1400	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: N/A

print legibly

Coc12/30/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/20/03
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.52 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.10 ft
(40.10) X .65 X 3 =78.19
GALLONS OF H_2O TO BE PURGED: 78 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.694 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40
pH 6.87 su — TEMP 11.97 °C
DISSOLVED O_2 3.81 mg/L — SPECIFIC CONDUCTIVITY 363 µs/cm

PURGE END TIME: 10:32
pH 6.80 su — TEMP 11.76 °C
DISSOLVED O_2 2.00 mg/L — SPECIFIC CONDUCTIVITY 367 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 21.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 78 gal

SAMPLE START TIME: 10:33
pH 6.81 su — TEMP 11.77 °C
DISSOLVED O_2 1.97 mg/L — SPECIFIC CONDUCTIVITY 368 µs/cm

SAMPLE END TIME: 10:38

COMMENTS: DUP. Here. Large draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/20/03
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.14 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.77 ft
(41.77) X .65 X 3 = 81.45
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.835 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:44
pH 7.09 su — TEMP 11.75 °C
DISSOLVED O_2 3.07 mg/L — SPECIFIC CONDUCTIVITY 437 µs/cm

PURGE END TIME: 12:21
pH 6.87 su — TEMP 11.71 °C
DISSOLVED O_2 2.09 mg/L — SPECIFIC CONDUCTIVITY 471 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.01 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 12:22
pH 6.88 su — TEMP 11.70 °C
DISSOLVED O_2 2.03 mg/L — SPECIFIC CONDUCTIVITY 470 µs/cm

SAMPLE END TIME: 12:27

COMMENTS: Large draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/20/03
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.31 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.50 ft
(40.50) X .65 X 3 = 78.97
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.746 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:42
pH 6.70 su — TEMP 11.81 °C
DISSOLVED O_2 3.41 mg/L — SPECIFIC CONDUCTIVITY 483 µs/cm

PURGE END TIME: 14:28
pH 6.85 su — TEMP 11.77 °C
DISSOLVED O_2 2.27 mg/L — SPECIFIC CONDUCTIVITY 480 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 14.86 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 14:29
pH 6.86 su — TEMP 11.77 °C
DISSOLVED O_2 2.25 mg/L — SPECIFIC CONDUCTIVITY 481 µs/cm

SAMPLE END TIME: 14:34

COMMENTS: Large draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 4.00 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.62 ft
(2.62) X .65 X 3 = 5.10
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 6.3 ppm

PURGE START TIME: 08:50
pH 4.80 su — TEMP 12.71 °C
DISSOLVED O_2 2.03 mg/L — SPECIFIC CONDUCTIVITY 2070 µs/cm

PURGE END TIME: 09:12
pH 4.71 su — TEMP 12.60 °C
DISSOLVED O_2 1.76 mg/L — SPECIFIC CONDUCTIVITY 2183 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @@ BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 09:13
pH 4.70 su — TEMP 12.59 °C
DISSOLVED O_2 1.70 mg/L — SPECIFIC CONDUCTIVITY 2182 µs/cm

SAMPLE END TIME: 09:18

COMMENTS: Cloudy black while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 9.75 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.84 ft
(7.84) X .65 X 3 =15.28
GALLONS OF H_2O TO BE PURGED: 15 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 5.27 su — TEMP 12.57 °C
DISSOLVED O_2 3.11 mg/L — PECIFIC CONDUCTIVITY 721 µs/cm

PURGE END TIME: 11:46
pH 5.09 su — TEMP 12.49 °C
DISSOLVED O_2 1.91 mg/L — SPECIFIC CONDUCTIVITY 727 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.05 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:49
pH 5.11 su — TEMP 12.48 °C
DISSOLVED O_2 1.87 mg/L — SPECIFIC CONDUCTIVITY 725 µs/cm

SAMPLE END TIME: 11:54

COMMENTS: Cloudy while bailing.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 7.56 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.44 ft
(7.44) X .65 X 3 = 14.50
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:33
pH 5.11 su — TEMP 12.76 °C
DISSOLVED O_2 3.79 mg/L — SPECIFIC CONDUCTIVITY 479 µs/cm

PURGE END TIME: 09:38
pH 4.91 su — TEMP 12.52 °C
DISSOLVED O_2 2.11 mg/L — SPECIFIC CONDUCTIVITY 500 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.86 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 09:39
pH 4.93 su — TEMP 12.53 °C
DISSOLVED O_2 2.09 mg/L — SPECIFIC CONDUCTIVITY 502 µs/cm

SAMPLE END TIME: 09:43

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 10.75 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.56 ft
(6.56) X .65 X 3 =12.79
GALLONS OF H_2O TO BE PURGED: 13 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: 10:37
pH 4.93 su — TEMP 12.23 °C
DISSOLVED O_2 3.31 mg/L — SPECIFIC CONDUCTIVITY 501 µs/cm

PURGE END TIME: 11:33
pH 4.70 su — TEMP 12.00 °C
DISSOLVED O_2 1.70 mg/L — SPECIFIC CONDUCTIVITY 521 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.85 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 11:34
pH 4.68 su — TEMP 12.01 °C
DISSOLVED O_2 1.66 mg/L — SPECIFIC CONDUCTIVITY 522 µs/cm

SAMPLE END TIME: 11:39

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 6.58 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.68 ft
(8.68) X .65 X 3 =16.92
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hmu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 4.93 su — TEMP 12.13 °C
DISSOLVED O_2 3.71 mg/L — SPECIFIC CONDUCTIVITY 476 µs/cm

PURGE END TIME: 09:44
pH 4.81 su — TEMP 11.97 °C
DISSOLVED O_2 2.27 mg/L — SPECIFIC CONDUCTIVITY 534 µs/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: 17 gal

SAMPLE START TIME: 09:52
pH 4.82 su — TEMP 11.97 °C
DISSOLVED O_2 2.23 mg/L — SPECIFIC CONDUCTIVITY 534 µs/cm

SAMPLE END TIME: 09:57

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 6.08 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.52 ft
(9.52) X .65 X 3 =18.56
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:22
pH 5.17 su — TEMP 12.37 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 276 µs/cm

PURGE END TIME: 09:44
pH 5.03 su — TEMP 12.11 °C
DISSOLVED O_2 2.21 mg/L — SPECIFIC CONDUCTIVITY 307 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.95 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 09:45
pH 5.03 su — TEMP 12.17 °C
DISSOLVED O_2 2.20 mg/L — SPECIFIC CONDUCTIVITY 309 µs/cm

SAMPLE END TIME: 09:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 6.91 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.40 ft
(8.40) X .65 X 3 =16.38
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:17
pH 5.17 su — TEMP 12.17 °C
DISSOLVED O_2 3.10 mg/L — SPECIFIC CONDUCTIVITY 376 µs/cm

PURGE END TIME: 09:26
pH 5.10 su — TEMP 12.00 °C
DISSOLVED O_2 2.00 mg/L — SPECIFIC CONDUCTIVITY 388 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.58 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 09:27
pH 5.10 su — TEMP 11.98 °C
DISSOLVED O_2 2.01 mg/L — SPECIFIC CONDUCTIVITY 389 µs/cm

SAMPLE END TIME: 09:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 5.50 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 09.05 ft
(09.05) X .65 X 3 = 17.64
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:22
pH 5.66 su — TEMP 12.07 °C
DISSOLVED O_2 3.57 mg/L — SPECIFIC CONDUCTIVITY 501 µs/cm

PURGE END TIME: 11:40
pH 5.49 su — TEMP 11.83 °C
DISSOLVED O_2 2.34 mg/L — SPECIFIC CONDUCTIVITY 521 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.39 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:41
pH 5.50 su — TEMP 11.84 °C
DISSOLVED O_2 2.39 mg/L — SPECIFIC CONDUCTIVITY 520 µs/cm

SAMPLE END TIME: 11:46

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 3.95 ft
DEPTH OF WELL: 15.31 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 H_2O 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: 10:27
pH 4.98 su — TEMP 11.98 °C
DISSOLVED O_2 3.37 mg/L — SPECIFIC CONDUCTIVITY 534 µs/cm

PURGE END TIME: 12:02
pH 4.88 su — TEMP 11.83 °C
DISSOLVED O_2 2.23 mg/L — SPECIFIC CONDUCTIVITY 567 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.49ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 12:03
pH 4.87 su — TEMP 11.84 °C
DISSOLVED O_2 2.21 mg/L — SPECIFIC CONDUCTIVITY 568 µs/cm

SAMPLE END TIME: 12:08

COMMENTS: Cloudy and red.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 10.40 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.15 ft
(8.15) X .65 X 3 =15.89
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:30
pH 5.67 su — TEMP 11.97 °C
DISSOLVED O_2 3.66 mg/L — PECIFIC CONDUCTIVITY 341 µs/cm

PURGE END TIME: 13:39
pH 5.50 su — TEMP 11.83 °C
DISSOLVED O_2 2.25 mg/L — SPECIFIC CONDUCTIVITY 360 µs/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 13:40
pH 5.51 su — TEMP 11.85 °C
DISSOLVED O_2 2.24 mg/L — SPECIFIC CONDUCTIVITY 3.61 µs/cm

SAMPLE END TIME: 13:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/22/03
WEATHER: Overcast and 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: 8.38 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.27 ft
(6.27) X .65 X 3 –12.22
GALLONS OF H_2O TO BE PURGED: 12 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 5.47 su — TEMP 12.07 °C
DISSOLVED O_2 3.44 mg/L — SPECIFIC CONDUCTIVITY 291 µs/cm

PURGE END TIME: 09:19
pH 5.30 su — TEMP 11.89 °C
DISSOLVED O_2 2.32 mg/L — SPECIFIC CONDUCTIVITY 272 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 08.40 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 09:20
pH 5.30 su — TEMP 11.91 °C
DISSOLVED O_2 2.30 mg/L — SPECIFIC CONDUCTIVITY 271 µs/cm

SAMPLE END TIME: 09:25

COMMENTS: Cloudy while bailing. Low draw down.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VC010578.D	Sample Name	MB 22Oct03
Operator	Skelton	Field ID	MB 22Oct03
Date Acquired	22-Oct-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.58	1039361	4.07 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 22Oct03

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 22Oct03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010578.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/22/2003

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014781.D	Sample Name	MB 03Nov03
Operator	Skelton	Field ID	MB 03Nov03
Date Acquired	3 Nov 2003 6:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 29Oct03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 29Oct03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014738.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/29/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014738.D	Sample Name	MB 29Oct03
Operator	Skelton	Field ID	MB 29)ct03
Date Acquired	29 Oct 2003 4:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 03Nov03

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 03Nov03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014781.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 11/3/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC010596.D	Sample Name	3066501
Operator	Skelton	Field ID	Trip Blank
Date Acquired	23-Oct-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.58	1140398	5.50 ug/L	6	0.30 ug/L	2.00 ug/L	B
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3066501

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010596.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/23/2003

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014750.D	Sample Name	3067201
Operator	Skelton	Field ID	Trip Blank
Date Acquired	29 Oct 2003 11:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.79	437784	4.24 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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11/5/2003 1:43 PM

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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.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067201

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014750.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/29/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VCB10597.D	Sample Name	3066502
Operator	Skelton	Field ID	Field Blank
Date Aquired	23-Oct-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis 1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.58	1158201	5.51 ug/L	6	0.30 ug/L	2.00 ug/L	n
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3066502

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010597.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/23/2003

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014751.D	Sample Name	3067202
Operator	Skelton	Field ID	Field Blank
Date Acquired	30 Oct 2003 12:35 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	50	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.79	442045	4.35 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067202

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014751.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC010598.D	Sample Name	3066503
Operator	Skelton	Field ID	Dupe
Date Acquired	23-Oct-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9 6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Dupe

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3066503

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010598.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/23/2003

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014752.D	Sample Name	3067203
Operator	Skelton	Field ID	Dupe
Date Acquired	30 Oct 2003 1:14 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	12.11	307116	5.59 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.76	125927	3.41 ug/L	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m/p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Dupe

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014752.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014740.D	Sample Name	3066504
Operator	Skelton	Field ID	812MW01
Date Acquired	29 Oct 2003 5:26 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW01

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3066504

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014740.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/29/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC010600.D	Sample Name	3066505
Operator	Skelton	Field ID	812MW02
Date Aquired	23-Oct-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW02

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3066505

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC010600.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/23/2003

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014741.D	Sample Name	3066506
Operator	Skelton	Field ID	812MW03
Date Acquired	29 Oct 2003 6:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

RL = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW03

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30665 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3066506

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014741.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: not dec. Date Analyzed: 10/29/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014753.D	Sample Name	3067204
Operator	Skelton	Field ID	812MW04
Date Acquired	30 Oct 2003 1:53 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.47	2787261	44.28 ug/L	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	12.08	2023557	36.22 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.65	7666642	204.45 ug/L	300	0.62 ug/L	2.00 ug/L	B
156-59-2	cis-1,2-Dichloroethene	16.00	364348	4.58 ug/L	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene	18.28	117272	0.58 ug/L	1	0.23 ug/L	2.00 ug/L	
107 06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79 01 6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78 87 5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27 4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75 8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene	22.78	1019887	4.37 ug/L	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127 18 4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.82	2282076	9.55 ug/L	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.09	1032355	13.65 ug/L	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.93	1951292	12.96 ug/L	nle	0.62 ug/L	2.00 ug/L	
100 42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75 25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541 73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106 46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2 Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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11/5/2003 1:44 PM

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

Data File	VB014784.D	Sample Name	3067404
Operator	Skelton	Field ID	812MW04
Date Acquired	3 Nov 2003 8:47 pm	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	18.50 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	200.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	1.60 ug/L	20.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride	5.44	320153	80.12 ug/L	5	10.60 ug/L	20.00 ug/L	D
74-83-9	Bromomethane			not detected	10	11.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	20.00 ug/L	
78-93-3	2-Butanone	17.69	553797	220.34 ug/L	300	6.20 ug/L	20.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	20.00 ug/L	
71-43-2	Benzene			not detected	1	2.30 ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	3.70 ug/L	20.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.81	207256	13.12 ug/L	700	6.50 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.09	75818	14.10 ug/L	nle	11.40 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.92	136960	12.50 ug/L	nle	6.20 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	5.60 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067204

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014753.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	6.44	17	J
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.48	10	JN
3. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.67	9	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.11	11	JN
5. 000108-67-8	Benzene, 1,3,5-trimethyl-	29.43	30	JN
6. 000095-36-3	1,2,4-Trimethylbenzene	30.29	12	JN
7. 000496-11-7	Indane	30.60	12	JN
8. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	31.41	8	JN
9. 001195-79-5	Bicyclo[2.2.1]heptan-2-one, 1,3,3-	33.01	9	JN
10. 002039-90-9	Benzene, 2-ethenyl-1,3-dimethyl-	33.17	12	JN

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

Data File	VB014754.D	Sample Name	3067205
Operator	Skelton	Field ID	812MW05
Date Acquired	30 Oct 2003 2:32 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	12.14	186651	3.46 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.40	175945	1.89 ug/L	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.33	766670	9.47 ug/L	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m,p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2 Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L = Reporting Limit

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11/5/2003 1:44 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067205

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014754.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000076-22-2	Camphor	24.67	3	JN
2. 000275-51-4	Azulene	24.97	3	JN
3. 000090-12-0	Naphthalene, 1-methyl-	32.15	3	JN

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

Data File	VB014755.D	Sample Name	3067206
Operator	Skelton	Field ID	812MW06
Date Acquired	30 Oct 2003 3:11 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
RL = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW06

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067206

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014755.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014756.D	Sample Name	3067207
Operator	Skelton	Field ID	812MW07
Date Acquired	30 Oct 2003 3:50 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	12.13	151363	2.60 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.41	270639	2.70 ug/L	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.33	125309	1.44 ug/L	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW07

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067207

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014756.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014757.D	Sample Name	3067208
Operator	Skelton	Field ID	812MW08
Date Acquired	30 Oct 2003 4:29 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	12.10	296075	5.52 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.76	138601	3.85 ug/L	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW08

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067208

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB01475Z.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014758.D	Sample Name	3067209
Operator	Skelton	Field ID	812MW09
Date Acquired	30 Oct 2003 5:08 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75 35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75 09 2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156 60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061 01 5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW09

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067209

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014758.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000306-83-2	Ethane, 2,2-dichloro-1,1,1-trifluor	9.90	65	JN

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

Data File	VB014759.D	Sample Name	3067210
Operator	Skelton	Field ID	812MW10
Date Acquired	30 Oct 2003 5:47 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW10

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067210

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014759.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.17	5	J
2. 000306-83-2	Ethane, 2,2-dichloro-1,1,1-trifluor	9.90	170	JN

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

Data File	VB014760.D	Sample Name	3067211
Operator	Skelton	Field ID	B12MW11
Date Acquired	30 Oct 2003 6:26 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW11

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067211

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014760.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014761.D	Sample Name	3067212
Operator	Skelton	Field ID	812MW12
Date Acquired	30 Oct 2003 7:05 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl 2 Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW12

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067212

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014761.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014762.D	Sample Name	3067213
Operator	Skelton	Field ID	812MW13
Date Acquired	30 Oct 2003 7:44 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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11/5/2003 1:44 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW13**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067213

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014762.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB014763.D	Sample Name	3067214
Operator	Skelton	Field ID	812MW14
Date Acquired	30 Oct 2003 8:23 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 3067214

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB014763.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: not dec. Date Analyzed: 10/30/2003

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06798.D	Sample Name	MB-102103
Operator	B.Patel	Misc Info	MB-102103
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06798.D	Sample Name	MB-102103
Operator	B.Patel	Misc Info	MB-102103
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: MB-102103

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30665 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: MB-102103

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06798.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/21/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.70	9	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.41	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name BN06821.D
Operator B.Patel
Date Acquired 27-Oct-03

Sample Name MB-102303
Misc Info MB-102303
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name BN06821.D
Operator B.Patel
Date Acquired 27-Oct-03

Sample Name MB-102303
Misc Info MB-102303
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3' Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: MB-102303

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: MB-102303

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06821.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name **BN06808.D**
Operator **B.Patel**
Date Acquired **22-Oct-03**

Sample Name **3066502**
Misc Info **Field Blank**
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06808.D	Sample Name	3066502
Operator	B.Patel	Misc Info	Field Blank
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30665 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3066502

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06808.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/21/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 017851-53-5	1,2-Benzenedicarboxylic acid, but	21.76	4	JN
2.	unknown	24.70	5	J
3. 000123-95-5	Octadecanoic acid, butyl ester	26.41	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name: BN06823.D
Operator: B.Patel
Date Acquired: 27-Oct-03

Sample Name: 3067202
Misc Info: Field Blank
Sample Multiplier: 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06823.D	Sample Name	3067202
Operator	B.Patel	Misc Info	Field Blank
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067202

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06823.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name BN06809.D
Operator B.Patel
Date Acquired 22-Oct-03

Sample Name 3066503
Misc Info Dupe
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06809.D	Sample Name	3066503
Operator	B.Patel	Misc Info	Dupe
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30665 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3066503

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06809.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/21/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	21.76	4	JN
2. 007704-34-9	Sulfur	23.83	15	JN
3.	unknown	24.71	5	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06824.D	Sample Name	3067203
Operator	B.Patel	Misc Info	Dupe
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06824.D	Sample Name	3067203
Operator	B.Patel	Misc Info	Dupe
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067203

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06824.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.70	9	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.40	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name BN06810.D
Operator B.Patel
Date Acquired 22-Oct-03

Sample Name 3066504
Misc Info 812MW01
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06810.D	Sample Name	3066504
Operator	B.Patel	Misc Info	812MW01
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **812MW01**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30665 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3066504

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06810.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/21/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 007704-34-9	Sulfur	23.83	15	JN
2.	unknown	24.70	5	J
3. 000123-95-5	Octadecanoic acid, butyl ester	26.41	4	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06811.D	Sample Name	3066505
Operator	B.Patel	Misc Info	812MW02
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06811.D	Sample Name	3066505
Operator	B.Patel	Misc Info	812MW02
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4 Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4 Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW02

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30665 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3066505

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06811.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/21/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.71	9	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.41	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06812.D	Sample Name	3066506
Operator	B.Patel	Misc Info	812MW03
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2 Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4 Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06812.D	Sample Name	3066506
Operator	B.Patel	Misc Info	812MW03
Date Acquired	22-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW03

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30665 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3066506

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06812.D

Level: (low/med) LOW Date Received: 10/20/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/21/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.71	13	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.41	11	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name: BNA08948.D
Operator: BPatel
Date Acquired: 28-Oct-03

Sample Name: 3067204 (1:2)
Misc Info: 812MW04 1:2 dil. 0.5ML/1ML
Sample Multiplier: 2

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	1.38	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	1.04	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	3.32	10.00	ug/L	
108-95-2	Phenol			not detected	4000	1.18	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	1.10	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	3.04	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.88	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.62	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.94	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.66	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	2.90	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	1.40	10.00	ug/L	
106-44-5	4-Methylphenol	11.47	1946591	130.49 ug/L	NLE	3.22	10.00	ug/L	D
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	1.40	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	1.66	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.28	10.00	ug/L	
78-59-1	Isophorone			not detected	100	1.14	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	2.32	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	3.04	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.54	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	3.26	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.44	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.68	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.34	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	3.34	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.70	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	2.76	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.48	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.32	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	2.56	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	3.06	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.32	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	2.98	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.26	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	1.24	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	2.70	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.78	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	1.08	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.76	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.24	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.76	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BNA08948.D	Sample Name	3067204 (1:2)
Operator	BPatel	Misc Info	812MW04 1:2 dil. 0.5ML/1ML
Date Acquired	28-Oct-03	Sample Multiplier	2

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.20	10.00	ug/L	
86-73-7	Fluorene			not detected	300	1.08	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	1.20	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	1.54	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.04	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.18	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.04	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.14	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.20	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.90	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.12	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	2.48	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.02	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	2.42	10.00	ug/L	
92-87-5	Benzidine			not detected	50	4.44	10.00	ug/L	
129-00-0	Pyrene			not detected	200	1.10	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.22	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.08	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	2.12	10.00	ug/L	
218-01-9	Chrysene			not detected	20	1.14	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	3.26	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	2.96	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.34	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	2.22	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.94	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.32	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	2.52	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.48	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **812MW04**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 3067204 (1:2)

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA08948.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/28/2003

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000646-07-1	Pentanoic acid, 4-methyl-	9.54	16	JND
2. 000526-73-8	Benzene, 1,2,3-trimethyl-	10.04	9	JND
3.	unknown	10.84	55	JD
4.	unknown	12.73	18	JD
5. 000464-48-2	Bicyclo[2.2.1]heptan-2-one, 1,7,7-	12.78	10	JND
6.	unknown	13.06	13	JD
7. 000103-82-2	Benzeneacetic acid	14.21	25	JND
8.	unknown	18.63	13	JD

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06825.D	Sample Name	3067205
Operator	B.Patel	Misc Info	812MW05
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06825.D	Sample Name	3067205
Operator	B.Patel	Misc Info	812MW05
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW05

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067205

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06825.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.69	8	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.40	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06826.D	Sample Name	3067206
Operator	B.Patel	Misc Info	812MW06
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06826.D	Sample Name	3067206
Operator	B.Patel	Misc Info	812M1W06
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW06

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067206

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06826.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.70	8	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.40	8	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06827.D	Sample Name	3067207
Operator	B.Patel	Misc Info	812MW07
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol	11.51	59591	3.74 ug/L	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06827.D	Sample Name	3067207
Operator	B.Patel	Misc Info	812MW07
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW07

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067207

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06827.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	12.98	4	J
2. 007704-34-9	Sulfur	23.84	32	JN
3.	unknown	24.69	5	J
4. 000123-95-5	Octadecanoic acid, butyl ester	26.40	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06828.D	Sample Name	3067208
Operator	B.Patel	Misc Info	812MW08
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06828.D	Sample Name	3067208
Operator	B.Patel	Misc Info	812MW08
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **812MW08**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067208

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06828.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.70	9	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.41	7	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06829.D	Sample Name	3067209
Operator	B.Patel	Misc Info	812MW09
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran	18.00	38015	1.14 ug/L	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06829.D	Sample Name	3067209
Operator	B.Patel	Misc Info	812MW09
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW09

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067209

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06829.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06830.D	Sample Name	3067210
Operator	B.Patel	Misc Info	812MW10
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2 Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06830.D	Sample Name	3067210
Operator	B.Patel	Misc Info	812MW10
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW10

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067210

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06830.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.70	13	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.40	12	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06831.D	Sample Name	3067211
Operator	B.Patel	Misc Info	812MW11
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.46	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN06831.D	Sample Name	3067211
Operator	B.Patel	Misc Info	812MW11
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4 Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2 methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW11

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067211

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06831.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.69	10	J
2. 000123-95-5	Octadecanoic acid, butyl ester	26.40	9	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06832.D	Sample Name	3067212
Operator	B.Patel	Misc Info	812MW12
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06832.D	Sample Name	3067212
Operator	B.Patel	Misc Info	812MW12
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **812MW12**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067212

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06832.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	24.70	10	J
2. 000646-13-9	Octadecanoic acid, 2-methylprop	26.40	10	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06833.D	Sample Name	3067213
Operator	B.Patel	Misc Info	812MW13
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06833.D	Sample Name	3067213
Operator	B.Patel	Misc Info	812MW13
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: 812MW13

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067213

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06833.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	22.58	4	JN
2.	unknown	24.70	10	J
3. 000123-95-5	Octadecanoic acid, butyl ester	26.40	10	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN06834.D	Sample Name	3067214
Operator	B.Patel	Misc Info	812MW14
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
110-86-1	Pyridine			not detected	NLE	0.69	10.00	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.52	10.00	ug/L	
62-53-3	Aniline			not detected	NLE	1.66	10.00	ug/L	
108-95-2	Phenol			not detected	4000	0.59	10.00	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.55	10.00	ug/L	
95-57-8	2-Chlorophenol			not detected	40	1.52	10.00	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.94	10.00	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.81	10.00	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.97	10.00	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.83	10.00	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.45	10.00	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.70	10.00	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.61	10.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.70	10.00	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.83	10.00	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.64	10.00	ug/L	
78-59-1	Isophorone			not detected	100	0.57	10.00	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	10.00	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	1.52	10.00	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.77	10.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.63	10.00	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	0.72	10.00	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.84	10.00	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.67	10.00	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.67	10.00	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.85	10.00	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	1.38	10.00	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.74	10.00	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.66	10.00	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	1.28	10.00	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.53	10.00	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.66	10.00	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.49	10.00	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	0.63	10.00	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.62	10.00	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	1.35	10.00	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.89	10.00	ug/L	
83-32-9	Acenaphthene			not detected	400	0.54	10.00	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.88	10.00	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.62	10.00	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	10.00	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN06834.D	Sample Name	3067214
Operator	B.Patel	Misc Info	812MW14
Date Acquired	27-Oct-03	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL		Qualifier
121-14-2	2,4-Dinitrotoluene			not detected	10	0.58	10.00	ug/L	
84-66-2	Diethylphthalate			not detected	5000	0.60	10.00	ug/L	
86-73-7	Fluorene			not detected	300	0.54	10.00	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.60	10.00	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.77	10.00	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.02	10.00	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	0.59	10.00	ug/L	
103-33-3	Azobenzene			not detected	NLE	0.52	10.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.57	10.00	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	0.60	10.00	ug/L	
87-86-5	Pentachlorophenol			not detected	1	0.95	10.00	ug/L	
85-01-8	Phenanthrene			not detected	NLE	0.56	10.00	ug/L	
120-12-7	Anthracene			not detected	2000	1.24	10.00	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	0.51	10.00	ug/L	
206-44-0	Fluoranthene			not detected	300	1.21	10.00	ug/L	
92-87-5	Benzidine			not detected	50	2.22	10.00	ug/L	
129-00-0	Pyrene			not detected	200	0.55	10.00	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	0.61	10.00	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	0.54	10.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.06	10.00	ug/L	
218-01-9	Chrysene			not detected	20	0.57	10.00	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.63	10.00	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.48	10.00	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	0.67	10.00	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.11	10.00	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	0.97	10.00	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.16	10.00	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.26	10.00	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.24	10.00	ug/L	

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

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time
RL= Reporting Limit. The values between the MDL and RL are considered estimated.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **812MW14**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 30672 Location: 812 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 3067214

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN06834.D

Level: (low/med) LOW Date Received: 10/22/2003

% Moisture: decanted: (Y/N) N Date Extracted: 10/23/2003

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/27/2003

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown	24.70	8	J
2.	000123-95-5	Octadecanoic acid, butyl ester	26.40	7	JN

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 102203

Matrix: Aqueous
Date Extracted: 10/22/2003
Ext. Batch: 102203
Filename: 01632.D
Date Analysed: 10/22/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.0011
319-85-7	beta-BHC	ND	0.0050
58-89-9	gamma-BHC	ND	0.0013
319-86-8	delta-BHC	ND	0.0016
76-44-8	Heptachlor	ND	0.0035
309-00-2	Aldrin	ND	0.0026
1024-57-3	Heptachlor epoxide	ND	0.0020
5103-74-2	gamma-Chlordane	ND	0.0007
5103-71-9	alpha-Chlordane	ND	0.0036
959-98-8	Endosulfan I	ND	0.0016
72-55-9	4,4'-DDE	ND	0.0021
60-57-1	Dieldrin	ND	0.0020
72-20-8	Endrin	ND	0.0032
33213-65-9	Endosulfan II	ND	0.0022
72-54-8	4,4'-DDD	ND	0.0020
7421-93-4	Endrin aldehyde	ND	0.0100
50-29-3	4,4'-DDT	ND	0.0052
1031-07-8	Endosulfan sulfate	ND	0.0026
53494-70-5	Endrin ketone	ND	0.0026
72-43-5	Methoxychlor	ND	0.0100
8001-35-2	Toxaphene	ND	0.0157
12674-11-2	Arochlor 1016	ND	0.0683
11104-28-2	Arochlor 1221	ND	0.0666
11141-16-5	Arochlor 1232	ND	0.0648
53469-21-9	Arochlor 1242	ND	0.0485
12672-29-6	Arochlor 1248	ND	0.0544
11097-69-1	Arochlor 1254	ND	0.0608
11096-82-5	Arochlor 1260	ND	0.0732

MDL – METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial vol. (ml): 1000
Final vol. (ml): 10

U.S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

TABULATED ANALYTICAL REPORT
SW 846 608
Pesticides/PCB

mb 102403

Matrix: Aqueous
Date Extracted: 10/24/2003
Ext. Batch: 102403
Filename: 01656.D
Date Analysed: 10/24/2003

Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.0011
319-85-7	beta-BHC	ND	0.0050
58-89-9	gamma-BHC	ND	0.0013
319-86-8	delta-BHC	ND	0.0016
76-44-8	Heptachlor	ND	0.0035
309-00-2	Aldrin	ND	0.0026
1024-57-3	Heptachlor epoxide	ND	0.0020
5103-74-2	gamma-Chlordane	ND	0.0007
5103-71-9	alpha-Chlordane	ND	0.0036
959-98-8	Endosulfan I	ND	0.0016
72-55-9	4,4'-DDE	ND	0.0021
60-57-1	Dieldrin	ND	0.0020
72-20-8	Endrin	ND	0.0032
33213-65-9	Endosulfan II	ND	0.0022
72-54-8	4,4'-DDD	ND	0.0020
7421-93-4	Endrin aldehyde	ND	0.0100
50-29-3	4,4'-DDT	ND	0.0052
1031-07-8	Endosulfan sulfate	ND	0.0026
53494-70-5	Endrin ketone	ND	0.0026
72-43-5	Methoxychlor	ND	0.0100
8001-35-2	Toxaphene	ND	0.0157
12674-11-2	Arochlor 1016	ND	0.0683
11104-28-2	Arochlor 1221	ND	0.0666
11141-16-5	Arochlor 1232	ND	0.0648
53469-21-9	Arochlor 1242	ND	0.0485
12672-29-6	Arochlor 1248	ND	0.0544
11097-69-1	Arochlor 1254	ND	0.0608
11096-82-5	Arochlor 1260	ND	0.0732

MDL = METHOD DETECTION LIMIT
ND =NOT DETECTED, BELOW MDL

Initial vol. (ml): 1000
Final vol. (ml): 10

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells, 4th Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3066502
Filename: 01642.D
Lab Project : 30665

Location: 812 Wells, 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102203
Date Extracted: 10/22/2003
Date Analyzed: 22-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: FIELDBLANK
Lab ID: 3067202
Filename: 01658.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells, 4th Qrtr. '03
Field ID: Dupe
Lab ID: 3066503
Filename: 01643.D
Lab Project : 30665

Location: 812 Wells, 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102203
Date Extracted: 10/22/2003
Date Analyzed: 22-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND = Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: Dupe
Lab ID: 3067203
Filename: 01659.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND = Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells, 4th Qrtr. '03
Field ID: 812 MW01
Lab ID: 3066504
Filename: 01644.D
Lab Project : 30665

Location: 812 Wells, 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102203
Date Extracted: 10/22/2003
Date Analyzed: 22-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells, 4th Qrtr. '03
Field ID: 812 MW02
Lab ID: 3066505
Filename: 01645.D
Lab Project : 30665

Location: 812 Wells, 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102203
Date Extracted: 10/22/2003
Date Analyzed: 22-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells, 4th Qrtr. '03
Field ID: 812 MW03
Lab ID: 3066506
Filename: 01646.D
Lab Project : 30665

Location: 812 Wells, 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102203
Date Extracted: 10/22/2003
Date Analyzed: 22-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW04
Lab ID: 3067204
Filename: 01660.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30M.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW05
Lab ID: 3067205
Filename: 01661.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B = Present in the associated Blank.
K = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW06
Lab ID: 3067206
Filename: 01662.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
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PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW07
Lab ID: 3067207
Filename: 01663.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW08
Lab ID: 3067208
Filename: 01664.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW09
Lab ID: 3067209
Filename: 01665.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW10
Lab ID: 3067210
Filename: 01666.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND = Not Detected / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW11
Lab ID: 3067211
Filename: 01667.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW12
Lab ID: 3067212
Filename: 01668.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Detected / Below MDL.
B – Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW13
Lab ID: 3067213
Filename: 01669.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL = Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE = No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

U. S. Army, Fort Monmouth Environmental Laboratory.
173 Riverside Avenue, NJ 07703.

Report of Analysis
NJDEP Certification # 13461
EPA Method 608
PESTICIDES/PCB

Client: U.S. Army, DPW, SELFM-PW-EV
Project Name: 812 Wells 4th Qrtr. '03
Field ID: 812MW14
Lab ID: 3067214
Filename: 01670.D
Lab Project : 30672

Location: 812 Wells 4th Qrtr. '03
MATRIX: Aqueous
Ext. Batch: 102403
Date Extracted: 10/24/2003
Date Analyzed: 24-Oct-03
Dilution: 1
Analyst: A.A.

CAS #	COMPOUNDS	RESULTS (ug/L)	Reporting Limit (ug/L)	Regulatory Level (ug/L)	Qualifier	MDL (ug/L)
319-84-6	alpha-BHC	ND	0.01	0.02		0.0011
319-85-7	beta-BHC	ND	0.01	0.20		0.0050
58-89-9	gamma-BHC	ND	0.01	0.20		0.0013
319-86-8	delta-BHC	ND	0.01	NLE		0.0016
76-44-8	Heptachlor	ND	0.01	0.40		0.0035
309-00-2	Aldrin	ND	0.01	0.04		0.0026
1024-57-3	Heptachlor epoxide	ND	0.01	0.20		0.0020
5103-74-2	gamma-Chlordane	ND	0.01	0.50		0.0007
5103-71-9	alpha-Chlordane	ND	0.01	0.50		0.0036
959-98-8	Endosulfan I	ND	0.01	0.40		0.0016
72-55-9	4,4'-DDE	ND	0.01	0.10		0.0021
60-57-1	Dieldrin	ND	0.01	0.03		0.0020
72-20-8	Endrin	ND	0.01	2.00		0.0032
33213-65-9	Endosulfan II	ND	0.01	0.40		0.0022
72-54-8	4,4'-DDD	ND	0.01	0.10		0.0020
7421-93-4	Endrin aldehyde	ND	0.01	NLE		0.0100
50-29-3	4,4'-DDT	ND	0.01	0.10		0.0052
1031-07-8	Endosulfan sulfate	ND	0.50	0.40		0.0026
53494-70-5	Endrin ketone	ND	0.50	NLE		0.0026
72-43-5	Methoxychlor	ND	0.50	40.00		0.0100
8001-35-2	Toxaphene	ND	0.50	3.00		0.0157
12674-11-2	Arochlor 1016	ND	0.50	0.50		0.0683
11104-28-2	Arochlor 1221	ND	0.50	0.5		0.0666
11141-16-5	Arochlor 1232	ND	0.50	0.50		0.0648
53469-21-9	Arochlor 1242	ND	0.50	0.50		0.0485
12672-29-6	Arochlor 1248	ND	0.50	0.50		0.0544
11097-69-1	Arochlor 1254	ND	0.50	0.50		0.0608
11096-82-5	Arochlor 1260	ND	0.50	0.50		0.0732

MDL – Method Detection Limit.
ND =Not Decteded / Below MDL.
B = Present in the associated Blank.
E = Exceeded Calibration Range, Dilution to follow.
D = Dilution.
NLE – No Limit Established.
RL = Reporting Limit.
PQL = Practical Quantitation Limit.

Initial Vol.(ml) 1000
Final Vol.(ml) 10

*Higher of PQL's and ground water criteria as per NJAC 7:9-6
*Results between MDL and RL are estimated.
Column-Primary: Rtx-CLPesticides 30/.32mm ID/.25um.
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.5um.

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

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

Lab ID #: 30672
Sample Received: NA
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	38.0	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	ND	2000	5.00	0.50
Beryllium	11/05/03	0.066	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	148	NLE	1000	65.0
Chromium	11/05/03	ND	100	5.00	1.00
Cobalt	11/05/03	ND	NLE	2.00	0.30
Copper	11/05/03	ND	1000	5.00	0.30
Iron	11/05/03	ND	300	500	78.0
Lead	11/05/03	ND	10	5.00	0.80
Magnesium	11/05/03	ND	NLE	1000	11.0
Manganese	11/05/03	ND	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.15
Nickel	11/05/03	ND	100	5.00	0.70
Potassium	11/05/03	ND	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	ND	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	ND	NLE	5.00	0.20
Zinc	11/05/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE – No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.– Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 30665
Sample Received: NA
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/07/03	ND	200	200	21.8
Antimony	11/07/03	ND	20	20.0	3.70
Arsenic	11/07/03	ND	8	5.00	2.30
Barium	11/07/03	ND	2000	5.00	0.50
Beryllium	11/07/03	0.075	20	0.50	0.02
Cadmium	11/07/03	ND	4	2.00	0.40
Calcium	11/07/03	ND	NLE	1000	65.0
Chromium	11/07/03	ND	100	5.00	1.00
Cobalt	11/07/03	ND	NLE	2.00	0.30
Copper	11/07/03	ND	1000	5.00	0.30
Iron	11/07/03	ND	300	500	78.0
Lead	11/07/03	ND	10	5.00	0.80
Magnesium	11/07/03	ND	NLE	1000	11.0
Manganese	11/07/03	1.30	50	5.00	0.90
Mercury	10/31/03	ND	2	0.50	0.10
Nickel	11/07/03	ND	100	5.00	0.70
Potassium	11/07/03	28.2	NLE	1000	25.0
Selenium	11/07/03	5.04	50	20.0	4.80
Silver	11/07/03	ND	20	5.00	0.60
Sodium	11/07/03	ND	50000	5000	1160
Thallium	11/07/03	ND	10	10.0	1.90
Vanadium	11/07/03	0.399	NLE	5.00	0.20
Zinc	11/07/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3066502
Sample Received: 10/20/03
Sample Matrix: Aqueous

Site: 812

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/07/03	ND	200	200	21.8
Antimony	11/07/03	ND	20	20.0	3.70
Arsenic	11/07/03	ND	8	5.00	2.30
Barium	11/07/03	ND	2000	5.00	0.50
Beryllium	11/07/03	0.093	20	0.50	0.02
Cadmium	11/07/03	ND	4	2.00	0.40
Calcium	11/07/03	73.6	NLE	1000	65.0
Chromium	11/07/03	ND	100	5.00	1.00
Cobalt	11/07/03	ND	NLE	2.00	0.30
Copper	11/07/03	ND	1000	5.00	0.30
Iron	11/07/03	99.7	300	500	78.0
Lead	11/07/03	ND	10	5.00	0.80
Magnesium	11/07/03	ND	NLE	1000	11.0
Manganese	11/07/03	ND	50	5.00	0.90
Mercury	10/31/03	ND	2	0.50	0.10
Nickel	11/07/03	ND	100	5.00	0.70
Potassium	11/07/03	275	NLE	1000	25.0
Selenium	11/07/03	4.91	50	20.0	4.80
Silver	11/07/03	ND	20	5.00	0.60
Sodium	11/07/03	ND	50000	5000	1160
Thallium	11/07/03	ND	10	10.0	1.90
Vanadium	11/07/03	ND	NLE	5.00	0.20
Zinc	11/07/03	3.49	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067202
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	42.3	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	ND	2000	5.00	0.50
Beryllium	11/05/03	0.074	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	158	NLE	1000	65.0
Chromium	11/05/03	ND	100	5.00	1.00
Cobalt	11/05/03	ND	NLE	2.00	0.30
Copper	11/05/03	ND	1000	5.00	0.30
Iron	11/05/03	ND	300	500	78.0
Lead	11/05/03	ND	10	5.00	0.80
Magnesium	11/05/03	ND	NLE	1000	11.0
Manganese	11/05/03	ND	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	ND	100	5.00	0.70
Potassium	11/05/03	ND	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	ND	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	ND	NLE	5.00	0.20
Zinc	11/05/03	3.71	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L. = Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3066503
Sample Received: 10/20/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/07/03	ND	200	200	21.8
Antimony	11/07/03	ND	20	20.0	3.70
Arsenic	11/07/03	ND	8	5.00	2.30
Barium	11/07/03	10.5	2000	5.00	0.50
Beryllium	11/07/03	0.046	20	0.50	0.02
Cadmium	11/07/03	ND	4	2.00	0.40
Calcium	11/07/03	52900	NLE	1000	65.0
Chromium	11/07/03	ND	100	5.00	1.00
Cobalt	11/07/03	ND	NLE	2.00	0.30
Copper	11/07/03	ND	1000	5.00	0.30
Iron	11/07/03	2040	300	500	78.0
Lead	11/07/03	ND	10	5.00	0.80
Magnesium	11/07/03	2530	NLE	1000	11.0
Manganese	11/07/03	163	50	5.00	0.90
Mercury	10/31/03	ND	2	0.50	0.10
Nickel	11/07/03	ND	100	5.00	0.70
Potassium	11/07/03	3150	NLE	1000	25.0
Selenium	11/07/03	ND	50	20.0	4.80
Silver	11/07/03	ND	20	5.00	0.60
Sodium	11/07/03	6710	50000	5000	1160
Thallium	11/07/03	ND	10	10.0	1.90
Vanadium	11/07/03	0.298	NLE	5.00	0.20
Zinc	11/07/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E – Estimated result. Over high standard.

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

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

Lab ID #: 3067203
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	1680	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	104	2000	5.00	0.50
Beryllium	11/05/03	0.813	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	15800	NLE	1000	65.0
Chromium	11/05/03	3.05	100	5.00	1.00
Cobalt	11/05/03	12.4	NLE	2.00	0.30
Copper	11/05/03	4.25	1000	5.00	0.30
Iron	11/05/03	2690	300	500	78.0
Lead	11/05/03	1.66	10	5.00	0.80
Magnesium	11/05/03	17100	NLE	1000	11.0
Manganese	11/05/03	151	50	5.00	0.90
Mercury	11/04/03	0.17	2	0.50	0.10
Nickel	11/05/03	17.7	100	5.00	0.70
Potassium	11/05/03	4940	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	85200	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	1.46	NLE	5.00	0.20
Zinc	11/05/03	119	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L. Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3066504
Sample Received: 10/20/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 0812MW01

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/07/03	ND	200	200	21.8
Antimony	11/07/03	ND	20	20.0	3.70
Arsenic	11/07/03	ND	8	5.00	2.30
Barium	11/07/03	10.4	2000	5.00	0.50
Beryllium	11/07/03	0.080	20	0.50	0.02
Cadmium	11/07/03	ND	4	2.00	0.40
Calcium	11/07/03	52400	NLE	1000	65.0
Chromium	11/07/03	ND	100	5.00	1.00
Cobalt	11/07/03	ND	NLE	2.00	0.30
Copper	11/07/03	ND	1000	5.00	0.30
Iron	11/07/03	1940	300	500	78.0
Lead	11/07/03	ND	10	5.00	0.80
Magnesium	11/07/03	2470	NLE	1000	11.0
Manganese	11/07/03	161	50	5.00	0.90
Mercury	10/31/03	ND	2	0.50	0.10
Nickel	11/07/03	ND	100	5.00	0.70
Potassium	11/07/03	3080	NLE	1000	25.0
Selenium	11/07/03	ND	50	20.0	4.80
Silver	11/07/03	ND	20	5.00	0.60
Sodium	11/07/03	6480	50000	5000	1160
Thallium	11/07/03	ND	10	10.0	1.90
Vanadium	11/07/03	ND	NLE	5.00	0.20
Zinc	11/07/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3066505
Sample Received: 10/20/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 0812MW02

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/07/03	ND	200	200	21.8
Antimony	11/07/03	ND	20	20.0	3.70
Arsenic	11/07/03	ND	8	5.00	2.30
Barium	11/07/03	19.4	2000	5.00	0.50
Beryllium	11/07/03	0.070	20	0.50	0.02
Cadmium	11/07/03	ND	4	2.00	0.40
Calcium	11/07/03	51900	NLE	1000	65.0
Chromium	11/07/03	ND	100	5.00	1.00
Cobalt	11/07/03	ND	NLE	2.00	0.30
Copper	11/07/03	ND	1000	5.00	0.30
Iron	11/07/03	163	300	500	78.0
Lead	11/07/03	ND	10	5.00	0.80
Magnesium	11/07/03	2390	NLE	1000	11.0
Manganese	11/07/03	61.4	50	5.00	0.90
Mercury	10/31/03	ND	2	0.50	0.10
Nickel	11/07/03	ND	100	5.00	0.70
Potassium	11/07/03	4720	NLE	1000	25.0
Selenium	11/07/03	ND	50	20.0	4.80
Silver	11/07/03	ND	20	5.00	0.60
Sodium	11/07/03	9020	50000	5000	1160
Thallium	11/07/03	ND	10	10.0	1.90
Vanadium	11/07/03	0.417	NLE	5.00	0.20
Zinc	11/07/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3066506
Sample Received: 10/20/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 0812MW03

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/07/03	ND	200	200	21.8
Antimony	11/07/03	3.89	20	20.0	3.70
Arsenic	11/07/03	ND	8	5.00	2.30
Barium	11/07/03	10.4	2000	5.00	0.50
Beryllium	11/07/03	0.045	20	0.50	0.02
Cadmium	11/07/03	0.523	4	2.00	0.40
Calcium	11/07/03	60100	NLE	1000	65.0
Chromium	11/07/03	ND	100	5.00	1.00
Cobalt	11/07/03	1.27	NLE	2.00	0.30
Copper	11/07/03	ND	1000	5.00	0.30
Iron	11/07/03	1810	300	500	78.0
Lead	11/07/03	ND	10	5.00	0.80
Magnesium	11/07/03	2340	NLE	1000	11.0
Manganese	11/07/03	137	50	5.00	0.90
Mercury	10/31/03	ND	2	0.50	0.10
Nickel	11/07/03	2.06	100	5.00	0.70
Potassium	11/07/03	3100	NLE	1000	25.0
Selenium	11/07/03	ND	50	20.0	4.80
Silver	11/07/03	ND	20	5.00	0.60
Sodium	11/07/03	7680	50000	5000	1160
Thallium	11/07/03	ND	10	10.0	1.90
Vanadium	11/07/03	ND	NLE	5.00	0.20
Zinc	11/07/03	ND	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067204
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW04

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	743	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	10.1	8	5.00	2.30
Barium	11/05/03	39.0	2000	5.00	0.50
Beryllium	11/05/03	0.028	20	0.50	0.02
Cadmium	11/05/03	1.03	4	2.00	0.40
Calcium	11/05/03	242000 E	NLE	1000	65.0
Chromium	11/05/03	4.97	100	5.00	1.00
Cobalt	11/05/03	ND	NLE	2.00	0.30
Copper	11/05/03	1.37	1000	5.00	0.30
Iron	11/05/03	49500	300	500	78.0
Lead	11/05/03	5.58	10	5.00	0.80
Magnesium	11/05/03	12100	NLE	1000	11.0
Manganese	11/05/03	684	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.100
Nickel	11/05/03	1.69	100	5.00	0.70
Potassium	11/05/03	32800	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	68000	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	5.18	NLE	5.00	0.20
Zinc	11/05/03	7.17	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067205
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW05

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	3160	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	4.00	8	5.00	2.30
Barium	11/05/03	316	2000	5.00	0.50
Beryllium	11/05/03	1.00	20	0.50	0.02
Cadmium	11/05/03	1.00	4	2.00	0.40
Calcium	11/05/03	25400	NLE	1000	65.0
Chromium	11/05/03	2.70	100	5.00	1.00
Cobalt	11/05/03	21.5	NLE	2.00	0.30
Copper	11/05/03	5.00	1000	5.00	0.30
Iron	11/05/03	20900	300	500	78.0
Lead	11/05/03	3.00	10	5.00	0.80
Magnesium	11/05/03	33700	NLE	1000	11.0
Manganese	11/05/03	148	50	5.00	0.90
Mercury	11/04/03	0.16	2	0.50	0.10
Nickel	11/05/03	39.0	100	5.00	0.70
Potassium	11/05/03	4990	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	228000 E	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	1.00	NLE	5.00	0.20
Zinc	11/05/03	122	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067206
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW06

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	1000	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	68.3	2000	5.00	0.50
Beryllium	11/05/03	0.335	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	12700	NLE	1000	65.0
Chromium	11/05/03	4.02	100	5.00	1.00
Cobalt	11/05/03	6.69	NLE	2.00	0.30
Copper	11/05/03	1.29	1000	5.00	0.30
Iron	11/05/03	985	300	500	78.0
Lead	11/05/03	1.84	10	5.00	0.80
Magnesium	11/05/03	9600	NLE	1000	11.0
Manganese	11/05/03	80.5	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	7.96	100	5.00	0.70
Potassium	11/05/03	5960	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	56900	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	2.26	NLE	5.00	0.20
Zinc	11/05/03	32.3	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067207
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW07

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	5910	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	8.49	8	5.00	2.30
Barium	11/05/03	37.6	2000	5.00	0.50
Beryllium	11/05/03	0.728	20	0.50	0.02
Cadmium	11/05/03	1.94	4	2.00	0.40
Calcium	11/05/03	3020	NLE	1000	65.0
Chromium	11/05/03	62.6	100	5.00	1.00
Cobalt	11/05/03	2.00	NLE	2.00	0.30
Copper	11/05/03	8.81	1000	5.00	0.30
Iron	11/05/03	74600	300	500	78.0
Lead	11/05/03	8.05	10	5.00	0.80
Magnesium	11/05/03	10900	NLE	1000	11.0
Manganese	11/05/03	164	50	5.00	0.90
Mercury	11/04/03	0.13	2	0.50	0.10
Nickel	11/05/03	11.9	100	5.00	0.70
Potassium	11/05/03	3840	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	125000 E	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	38.9	NLE	5.00	0.20
Zinc	11/05/03	161	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067208
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW08

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	1910	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	106	2000	5.00	0.50
Beryllium	11/05/03	0.915	20	0.50	0.02
Cadmium	11/05/03	0.486	4	2.00	0.40
Calcium	11/05/03	16600	NLE	1000	65.0
Chromium	11/05/03	3.89	100	5.00	1.00
Cobalt	11/05/03	13.3	NLE	2.00	0.30
Copper	11/05/03	3.27	1000	5.00	0.30
Iron	11/05/03	3120	300	500	78.0
Lead	11/05/03	2.68	10	5.00	0.80
Magnesium	11/05/03	17800	NLE	1000	11.0
Manganese	11/05/03	162	50	5.00	0.90
Mercury	11/04/03	0.17	2	0.50	0.10
Nickel	11/05/03	18.2	100	5.00	0.70
Potassium	11/05/03	5570	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	87600	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	2.06	NLE	5.00	0.20
Zinc	11/05/03	125	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067209
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW09

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	796	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	103	2000	5.00	0.50
Beryllium	11/05/03	0.859	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	6360	NLE	1000	65.0
Chromium	11/05/03	4.25	100	5.00	1.00
Cobalt	11/05/03	30.5	NLE	2.00	0.30
Copper	11/05/03	0.901	1000	5.00	0.30
Iron	11/05/03	495	300	500	78.0
Lead	11/05/03	ND	10	5.00	0.80
Magnesium	11/05/03	10500	NLE	1000	11.0
Manganese	11/05/03	511	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	17.1	100	5.00	0.70
Potassium	11/05/03	3720	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	47500	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	1.08	NLE	5.00	0.20
Zinc	11/05/03	64.7	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067210
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW10

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	290	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	89.3	2000	5.00	0.50
Beryllium	11/05/03	0.736	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	4070	NLE	1000	65.0
Chromium	11/05/03	2.15	100	5.00	1.00
Cobalt	11/05/03	8.51	NLE	2.00	0.30
Copper	11/05/03	2.31	1000	5.00	0.30
Iron	11/05/03	222	300	500	78.0
Lead	11/05/03	1.12	10	5.00	0.80
Magnesium	11/05/03	6000	NLE	1000	11.0
Manganese	11/05/03	206	50	5.00	0.90
Mercury	11/04/03	0.19	2	0.50	0.10
Nickel	11/05/03	13.6	100	5.00	0.70
Potassium	11/05/03	2650	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	49400	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	0.471	NLE	5.00	0.20
Zinc	11/05/03	44.0	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067211
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW11

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	359	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	5.97	8	5.00	2.30
Barium	11/05/03	15.2	2000	5.00	0.50
Beryllium	11/05/03	0.260	20	0.50	0.02
Cadmium	11/05/03	0.657	4	2.00	0.40
Calcium	11/05/03	17700	NLE	1000	65.0
Chromium	11/05/03	1.80	100	5.00	1.00
Cobalt	11/05/03	2.58	NLE	2.00	0.30
Copper	11/05/03	ND	1000	5.00	0.30
Iron	11/05/03	25900	300	500	78.0
Lead	11/05/03	2.47	10	5.00	0.80
Magnesium	11/05/03	6740	NLE	1000	11.0
Manganese	11/05/03	225	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	1.51	100	5.00	0.70
Potassium	11/05/03	1210	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	8860	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	0.939	NLE	5.00	0.20
Zinc	11/05/03	15.6	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E – Estimated result, Over high standard

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

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

Lab ID #: 3067212
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW12

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	2310	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	4.12	8	5.00	2.30
Barium	11/05/03	45.8	2000	5.00	0.50
Beryllium	11/05/03	0.637	20	0.50	0.02
Cadmium	11/05/03	0.721	4	2.00	0.40
Calcium	11/05/03	17500	NLE	1000	65.0
Chromium	11/05/03	1.07	100	5.00	1.00
Cobalt	11/05/03	14.3	NLE	2.00	0.30
Copper	11/05/03	3.72	1000	5.00	0.30
Iron	11/05/03	31000	300	500	78.0
Lead	11/05/03	4.10	10	5.00	0.80
Magnesium	11/05/03	8610	NLE	1000	11.0
Manganese	11/05/03	367	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	3.17	100	5.00	0.70
Potassium	11/05/03	5630	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	41300	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	ND	NLE	5.00	0.20
Zinc	11/05/03	42.6	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

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

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

Lab ID #: 3067213
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW13

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	1690	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	170	2000	5.00	0.50
Beryllium	11/05/03	1.20	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	6890	NLE	1000	65.0
Chromium	11/05/03	3.38	100	5.00	1.00
Cobalt	11/05/03	15.1	NLE	2.00	0.30
Copper	11/05/03	5.87	1000	5.00	0.30
Iron	11/05/03	466	300	500	78.0
Lead	11/05/03	4.31	10	5.00	0.80
Magnesium	11/05/03	21300	NLE	1000	11.0
Manganese	11/05/03	110	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	27.2	100	5.00	0.70
Potassium	11/05/03	4310	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	59300	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	2.49	NLE	5.00	0.20
Zinc	11/05/03	91.8	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.– Reporting limit. Note: The results reported between MDL and RL are estimated.
E – Estimated result. Over high standard

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

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

Lab ID #: 3067214
Sample Received: 10/22/03
Sample Matrix: Aqueous

Site: 812
Ft. Monmouth, New Jersey

Field ID#: 812MW14

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)	MDL (ug/L)
Aluminum	11/05/03	1540	200	200	21.8
Antimony	11/05/03	ND	20	20.0	3.70
Arsenic	11/05/03	ND	8	5.00	2.30
Barium	11/05/03	57.9	2000	5.00	0.50
Beryllium	11/05/03	0.327	20	0.50	0.02
Cadmium	11/05/03	ND	4	2.00	0.40
Calcium	11/05/03	16300	NLE	1000	65.0
Chromium	11/05/03	8.99	100	5.00	1.00
Cobalt	11/05/03	1.56	NLE	2.00	0.30
Copper	11/05/03	1.75	1000	5.00	0.30
Iron	11/05/03	2570	300	500	78.0
Lead	11/05/03	2.14	10	5.00	0.80
Magnesium	11/05/03	5660	NLE	1000	11.0
Manganese	11/05/03	57.7	50	5.00	0.90
Mercury	11/04/03	ND	2	0.50	0.10
Nickel	11/05/03	2.30	100	5.00	0.70
Potassium	11/05/03	3310	NLE	1000	25.0
Selenium	11/05/03	ND	50	20.0	4.80
Silver	11/05/03	ND	20	5.00	0.60
Sodium	11/05/03	107000	50000	5000	1160
Thallium	11/05/03	ND	10	10.0	1.90
Vanadium	11/05/03	18.4	NLE	5.00	0.20
Zinc	11/05/03	21.8	5000	50.0	1.60

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L.= Reporting limit. Note: The results reported between MDL and RL are estimated.
E = Estimated result. Over high standard

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/09/2000	FMETL	9240	94.6	27600	14.9	236	8.97				V,S,P,M
09/09/2000D	FMETL	10400	111	29000	7.01	238	8.97				V,S,P,M
12/27/2000	FMETL	28.3	ND	603	31.3	76.6	8.94				V,S,P,M
03/16/2001	FMETL	230	3.1	2090	ND	166	8.48				V,S,P,M
06/21/2001	FMETL	ND	6.81	1200	ND	120	8.54				V,S,P,M
06/21/2001D	FMETL	ND	6.52	1260	ND	124	8.54				V,S,P,M
08/27/2001	FMETL	ND	5.86	2900	ND	250	9.16				V,S,P,M
11/27/2001	FMETL	89.0	4.60	4600	1.59	197	9.73				V,S,P,M
02/06/2002	FMETL	28.9	ND	2010	ND	336	9.44				V,S,P,M
06/28/2002	FMETL	29.4	ND	2600	ND	204	9.15				V,S,P,M
08/28/2002	FMETL	ND	0.898	3040	ND	179	10.03				V,S,P,M
11/14/2002	FMETL	111	ND	3070	ND	195	8.88				V,S,P,M
03/14/2003	FMETL	162	1.34	3160	ND	220	8.26				V,S,P,M
05/15/2003	FMETL	ND	ND	3770	ND	192	7.57				V,S,P,M
08/20/2003	FMETL	ND	ND	2600	ND	169	7.80				V,S,P,M
10/20/2003	FMETL	ND	ND	1940	ND	161	8.52				V,S,P,M

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/20/2003

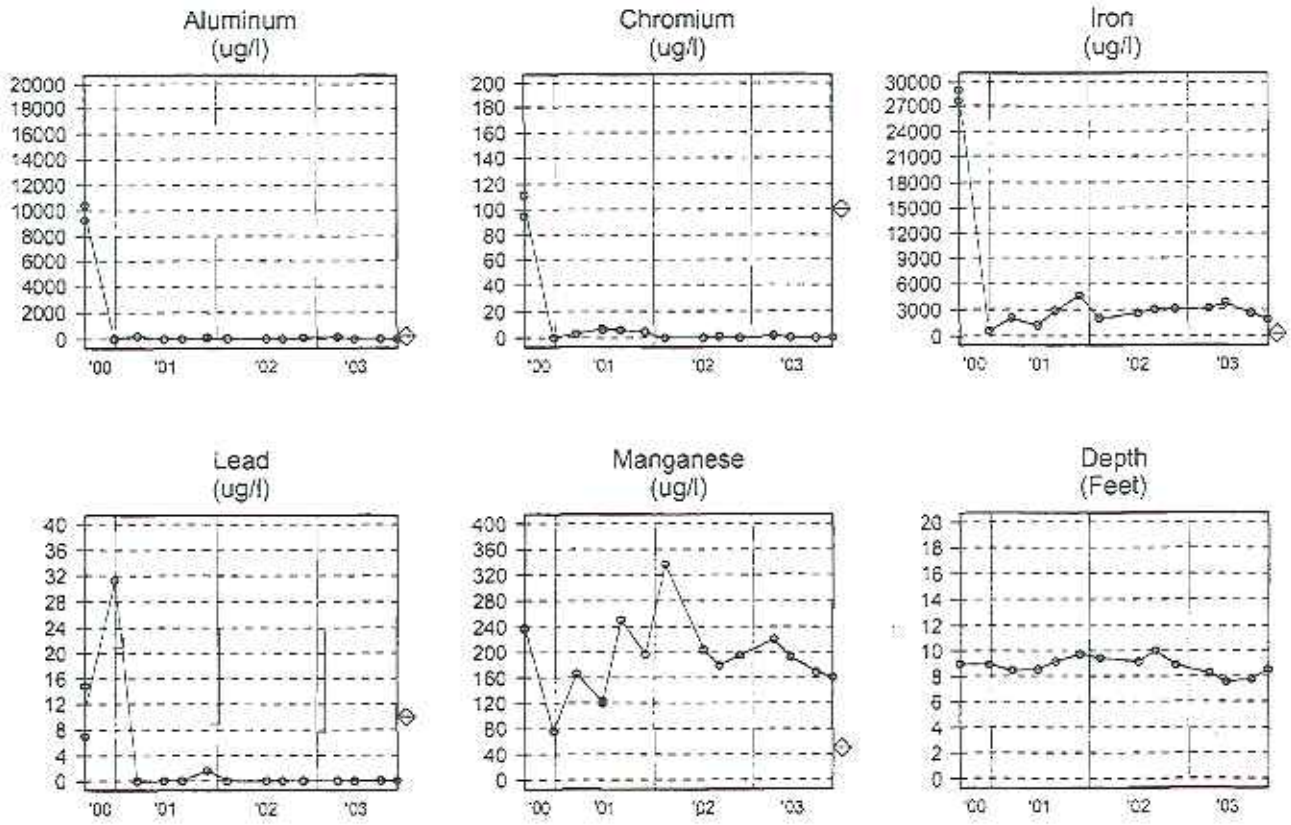
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

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



SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/20/2003

LEGEND:

PARAMETER

= Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
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SELFM-PW-EV

01-05-2004 X:\MechData\812\812.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/09/2000	FMETL	383	ND	483	6.96	34.0	6.67				V,S,P,M
12/27/2000	FMETL	77.6	ND	247	ND	21.9	6.93				V,S,P,M
03/16/2001	FMETL	240	3.20	840	ND	78.6	6.06				V,S,P,M
06/21/2001	FMETL	ND	1.23	390	ND	58.9	5.98				V,S,P,M
08/27/2001	FMETL	16.3	2.56	980	ND	84.6	6.87				V,S,P,M
11/27/2001	FMETL	404	5.29	2500	ND	117	7.95				V,S,P,M
02/06/2002	FMETL	179	1.46	633	ND	215	8.25				V,S,P,M
06/28/2002	FMETL	86.7	8.95	765	ND	89.6	8.66				V,S,P,M
08/28/2002	FMETL	541	4.90	1860	ND	107	7.67				V,S,P,M
11/14/2002	FMETL	276	2.10	865	ND	37.5	6.67				V,S,P,M
03/14/2003	FMETL	195	ND	192	0.940	32.0	5.54				V,S,P,M
05/15/2003	FMETL	203	ND	700	ND	88.3	6.43				V,S,P,M
08/20/2003	FMETL	2320	20.7	5010	1.89	83.2	6.03				V,S,P,M
10/20/2003	FMETL	ND	ND	163	ND	61.4	6.14				V,S,P,M

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/20/2003

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14

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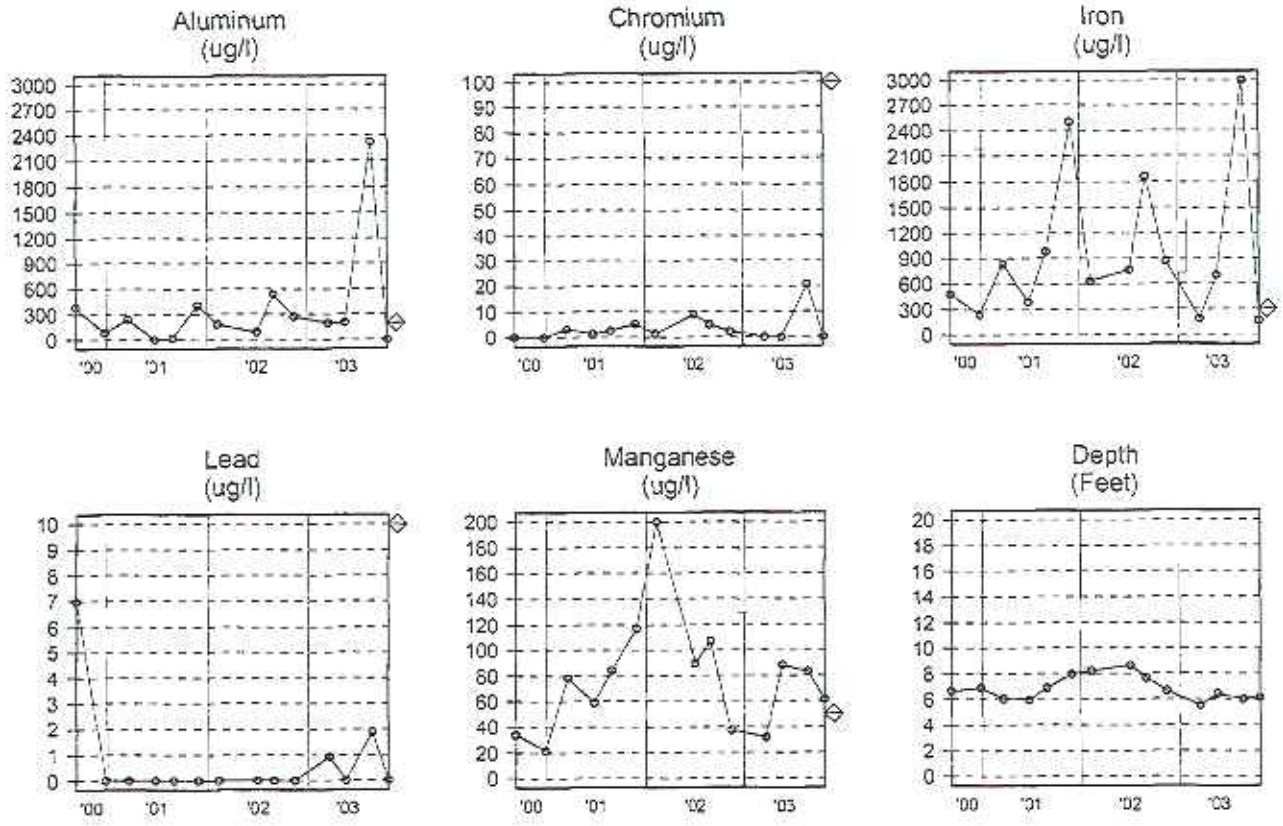
SELFM-PW-EV

01-05-2004 X:\MechData\812\812.WSF



SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/20/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

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

01-05-2004 X:\MechData\812\812.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/09/2000	FMETL	4350	34.9	9870	74.3	159	6.61				V,S,P,M
12/27/2000	FMETL	846	2.90	2460	ND	42.3	6.86				V,S,P,M
03/16/2001	FMETL	160	2.30	2340	ND	144	5.95				V,S,P,M
03/16/2001D	FMETL	130	1.90	2250	ND	14.7	5.95				V,S,P,M
06/21/2001	FMETL	ND	0.797	2000	ND	129	5.85				V,S,P,M
08/27/2001	FMETL	61.0	2.69	2730	ND	155	6.66				V,S,P,M
08/27/2001D	FMETL	97.9	6.52	3250	1.51	156	6.66				V,S,P,M
11/27/2001	FMETL	ND	3.70	9060	ND	167	7.69				V,S,P,M
02/06/2002	FMETL	67.1	0.939	1900	ND	289	7.29				V,S,P,M
06/28/2002	FMETL	340	2.89	15100	ND	172	7.07				V,S,P,M
08/28/2002	FMETL	148	1.52	3560	3.46	139	7.50				V,S,P,M
11/14/2002	FMETL	146	0.929	6470	2.21	150	6.43				V,S,P,M
03/14/2003	FMETL	145	ND	1190	0.941	188	5.25				V,S,P,M
05/15/2003	FMETL	ND	ND	1460	ND	277	5.50				V,S,P,M
08/20/2003	FMETL	31.3	ND	2410	ND	145	5.57				V,S,P,M
10/20/2003	FMETL	ND	ND	1610	ND	137	6.31				V,S,P,M

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/20/2003

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

U.S.ARMY
FORT MONMOUTH
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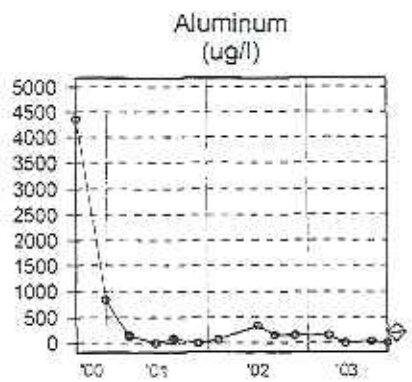

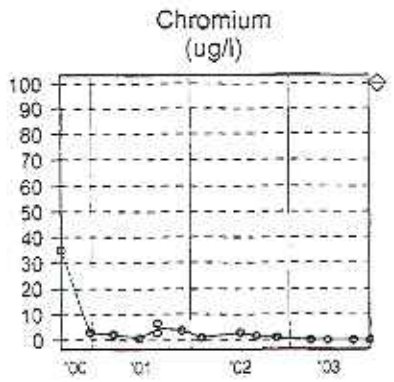

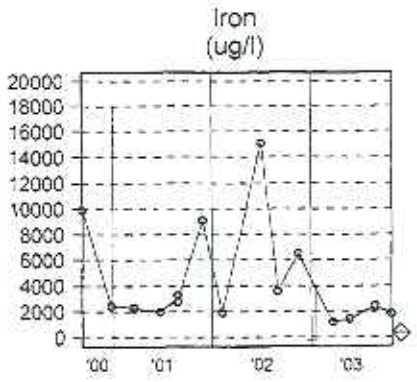

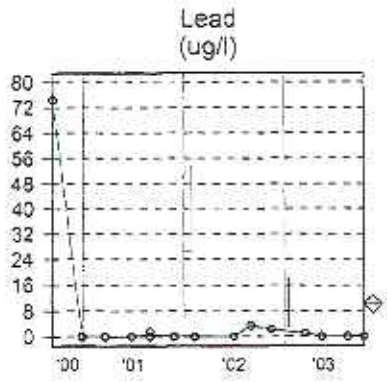

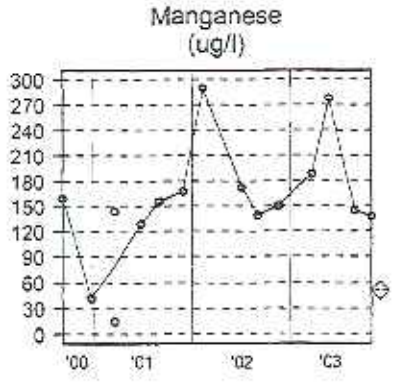

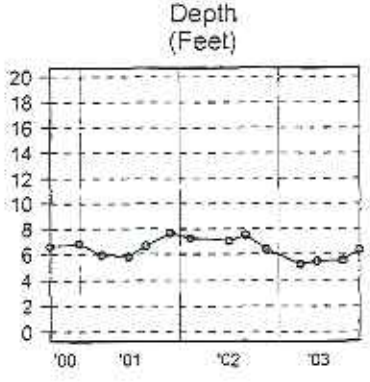

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/20/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 14 of 14, Graph

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

01-06-2004 X:\Med\Data\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Aluminum	Iron	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	5	100	10	1	40	200	300	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.58	120.22	649	3920	4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.81	406.83	4.17	191.02	1090	14000	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	32.16	370	5530	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	8.51	363	3090	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	ND	301.23	18900	228000	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	60.82	125.92	3.51	114.73	1770	8050	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	238.34	3690	4740	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	166.9	509.66	8.04	302.66	7020	38400	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	211.4	168	3540	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.76	ND	ND	3880	83200	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	88.36	1630	556000	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	7.60	2340	68000	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	6.38	37.35	ND	20.7	2160	102000	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	26.61	743	49500	4.00	V,S,P,M

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/22/2003

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 11 of 14

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

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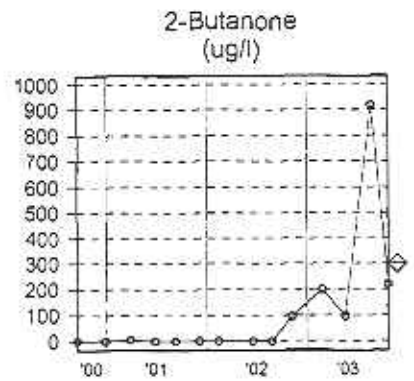
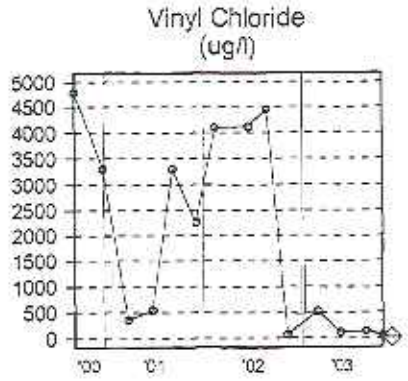
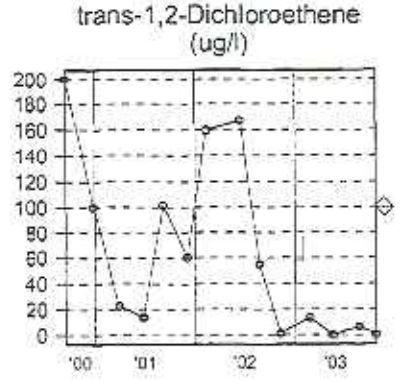
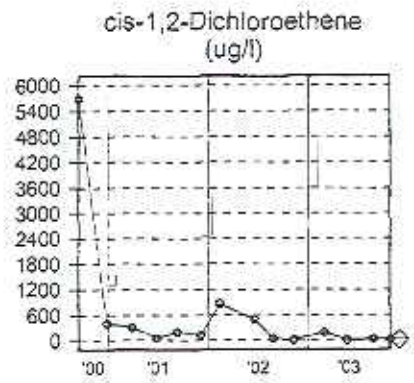
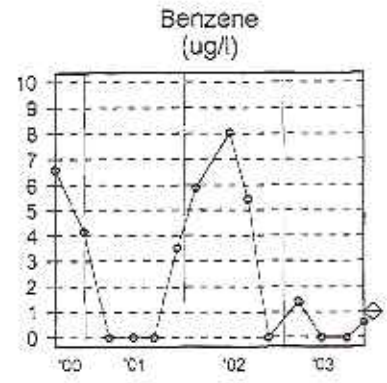
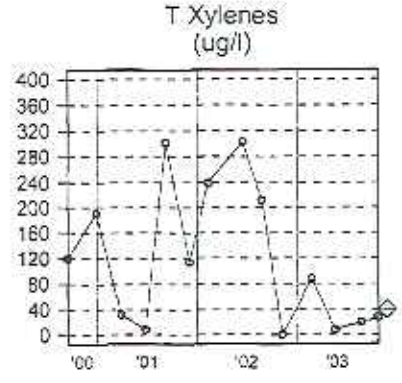


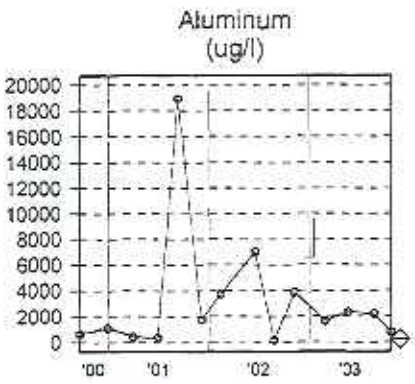


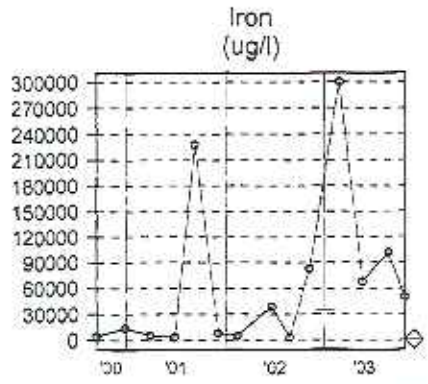


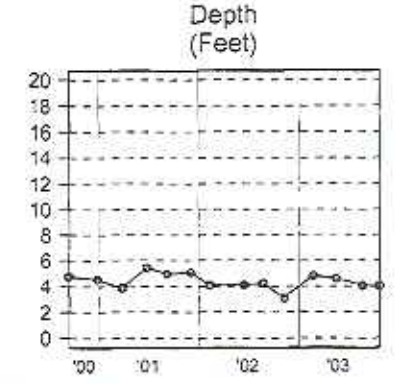












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 11 of 14, Graph

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

01-05-2004 X:\MechData\0812\612.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Magnesium	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	NLE	-				-
09/14/2000	FMETL	540	ND	492	49.1	6630	9.83				V,S,P,M
12/27/2000	FMETL	483	ND	580	17.6	6960	10.12				V,S,P,M
03/23/2001	FMETL	1200	9.30	2870	8.00	8380	8.83				V,S,P,M
03/23/2001D	FMETL	990	6.40	1930	3.00	8390	8.83				V,S,P,M
06/22/2001	FMETL	975	2.49	539	ND	15500	9.54				V,S,P,M
09/07/2001	FMETL	2370	17.1	5330	4.43	15500	10.38				V,S,P,M
12/03/2001	FMETL	850	2.90	1100	1.18	12900	11.16				V,S,P,M
02/08/2002	FMETL	961	5.32	1360	ND	9800	10.87				V,S,P,M
06/13/2002	FMETL	1010	1.69	588	ND	13700	10.25				V,S,P,M
08/23/2002	FMETL	1320	8.29	2560	ND	10200	11.13				V,S,P,M
11/07/2002	FMETL	762	2.99	1160	ND	10500	9.65				V,S,P,M
03/07/2003	FMETL	801	2.19	33300	1.53	14800	8.17				V,S,P,M
05/15/2003	FMETL	903	1.63	37700	2.28	16100	8.40				V,S,P,M
08/21/2003	FMETL	2720	2.27	18600	1.72	19700	8.85				V,S,P,M
10/22/2003	FMETL	3160	2.70	20900	3.00	33700	9.75				V,S,P,M

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/22/2003

NOTES:

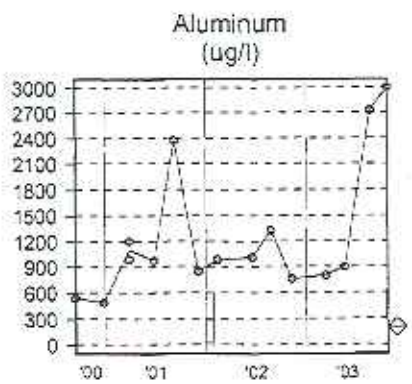
FORT MONMOUTH

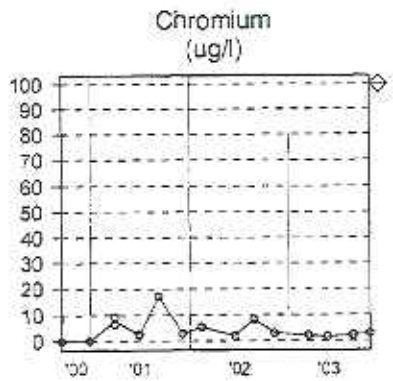
GW MONITORING
M-8 Bldg 897

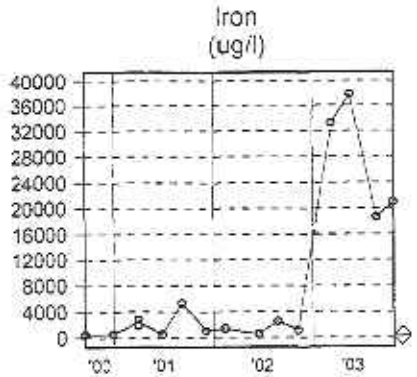
Source 10 of 14

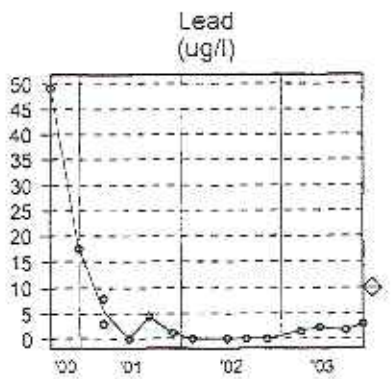
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

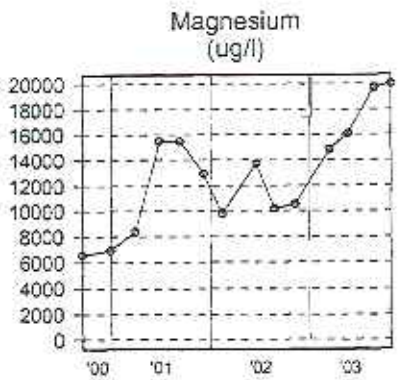
01-05-2004 X:\Mtech\Data\812\812.WSF

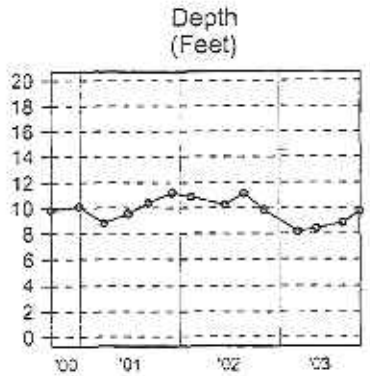












SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

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

01-05-2004 X:\MechData\612\612.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	563	ND	561	46.6	56.1	7.83				V,S,P,M
12/27/2000	FMETL	634	0.852	904	ND	49.9	7.98				V,S,P,M
03/23/2001	FMETL	810	3.50	1280	2.00	53.8	6.99				V,S,P,M
06/22/2001	FMETL	277	1.20	306	ND	58.4	7.45				V,S,P,M
09/07/2001	FMETL	1050	5.31	1350	2.39	59.3	8.37				V,S,P,M
12/03/2001	FMETL	1200	10.9	3160	1.98	56.5	8.75				V,S,P,M
12/03/2001D	FMETL	1080	9.35	2640	2.25	59.4	8.75				V,S,P,M
02/08/2002	FMETL	1190	6.41	1870	1.16	63.2	8.48				V,S,P,M
06/13/2002	FMETL	1670	11.3	4390	ND	79.1	7.98				V,S,P,M
08/23/2002	FMETL	898	1.70	256	2.27	82.2	8.72				V,S,P,M
11/07/2002	FMETL	670	2.04	41.7	ND	91.3	7.65				V,S,P,M
03/07/2003	FMETL	870	ND	ND	ND	92.6	6.44				V,S,P,M
05/15/2003	FMETL	1990	7.58	2670	2.19	96.0	6.38				V,S,P,M
08/21/2003	FMETL	801	1.32	266	ND	87.7	6.99				V,S,P,M
10/22/2003	FMETL	1000	4.02	985	1.84	80.5	7.56				V,S,P,M

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/22/2003

NOTES:

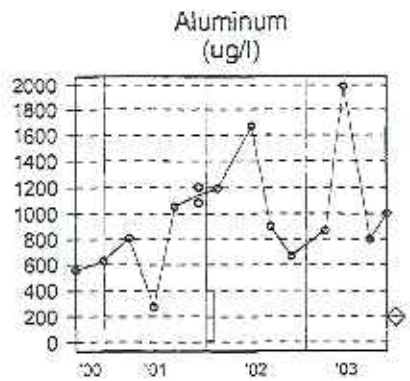
FORT MONMOUTH

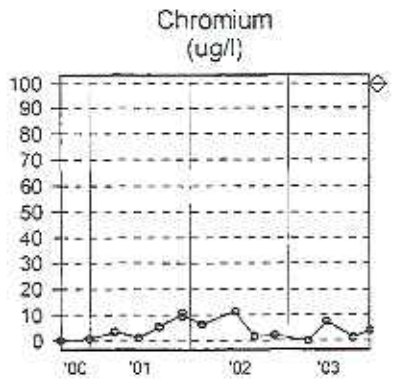
GW MONITORING
M-6 Bldg 697

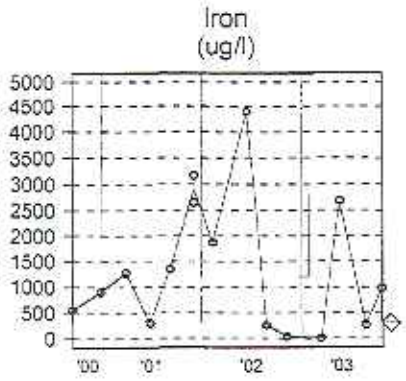
Source 4 of 14

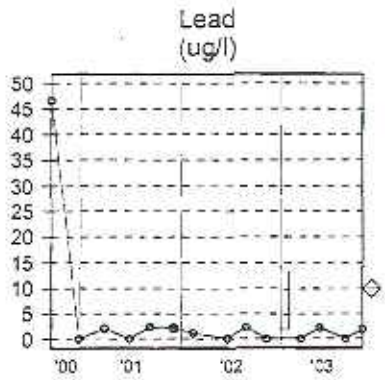
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

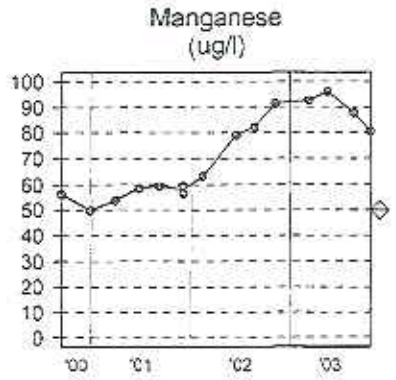
01-05-2004 X:\MechData\812\812.WSF

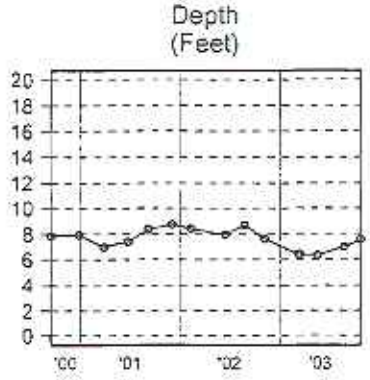












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

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

01-05-2004 X:\MechData\812\812.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	200	100	300	10	50	-			-
09/14/2000	FMETL	1780	3.77	2240	ND	64.4	11.19			V,S,P,M
12/27/2000	FMETL	1540	6.36	2560	ND	51.5	11.22			V,S,P,M
03/23/2001	FMETL	1640	ND	270	ND	86.8	10.47			V,S,P,M
06/22/2001	FMETL	1250	2.40	564	ND	77.7	10.80			V,S,P,M
09/07/2001	FMETL	2540	20.1	5640	2.46	68.4	11.33			V,S,P,M
12/03/2001	FMETL	2140	6.68	4780	1.47	110	11.96			V,S,P,M
02/08/2002	FMETL	5950	36.7	12700	1.71	137	11.70			V,S,P,M
06/13/2002	FMETL	1950	2.93	4860	ND	105	11.17			V,S,P,M
08/23/2002	FMETL	1650	2.05	2780	3.36	96.6	11.80			V,S,P,M
11/07/2002	FMETL	1250	5.32	3670	ND	119	10.83			V,S,P,M
03/07/2003	FMETL	3060	15.2	15700	6.73	405	9.76			V,S,P,M
05/15/2003	FMETL	3620	9.06	42600	2.15	278	10.02			V,S,P,M
08/21/2003	FMETL	1020	3.56	36300	1.27	287	10.18			V,S,P,M
10/22/2003	FMETL	5910	62.6	74600	8.05	164	10.75			V,S,P,M

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/22/2003

NOTES:

FORT MONMOUTH

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U.S.ARMY
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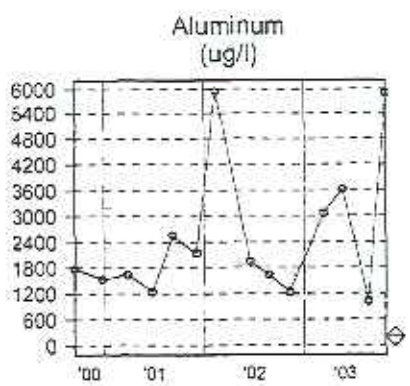

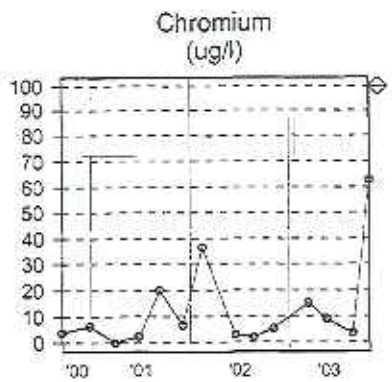

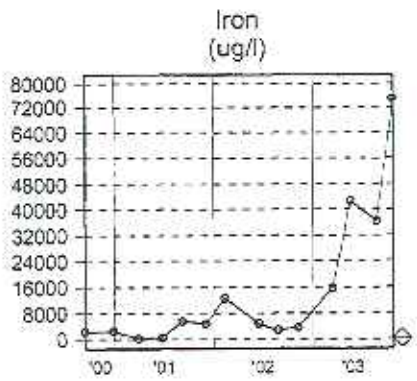

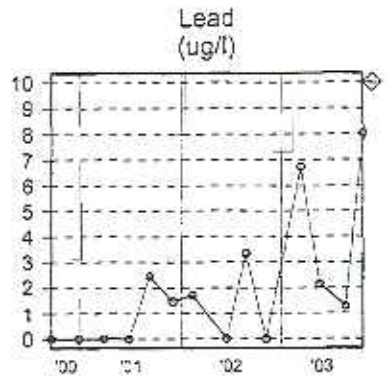

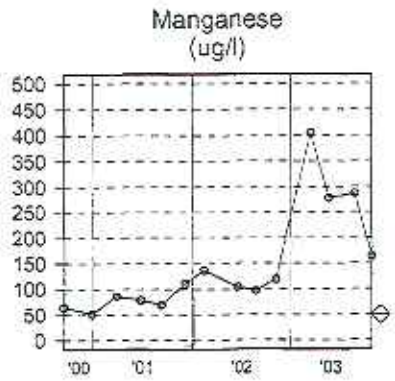

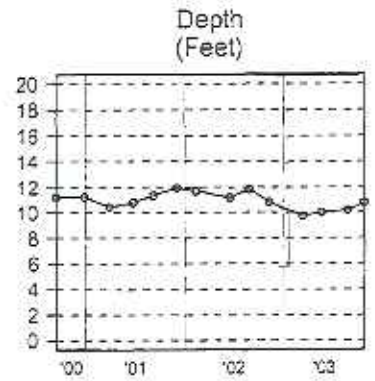

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 7 of 14, Graph

U.S.ARMY
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01-05-2004 X:\MechData\812\812.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	901	ND	1160	ND	130	7.23				V,S,P,M
12/27/2000	FMETL	1440	2.61	1460	ND	76.3	7.32				V,S,P,M
03/23/2001	FMETL	1370	2.90	1060	5.00	82.2	6.56				V,S,P,M
06/22/2001	FMETL	604	0.794	194	ND	66.3	6.90				V,S,P,M
09/07/2001	FMETL	1370	5.42	741	2.28	82.6	7.52				V,S,P,M
12/03/2001	FMETL	1470	3.60	1170	1.41	62.3	8.07				V,S,P,M
02/08/2002	FMETL	1690	5.23	1450	1.17	70.1	7.82				V,S,P,M
06/13/2002	FMETL	1850	6.05	2360	ND	57.6	7.36				V,S,P,M
08/23/2002	FMETL	2030	12.1	3760	2.76	71.6	8.03				V,S,P,M
11/07/2002	FMETL	921	2.28	586	1.16	90.9	6.87				V,S,P,M
02/21/2003	FMETL	1530	3.15	179	18.9	87.4	6.68				V,S,P,M
05/15/2003	FMETL	1010	3.50	1860	1.67	92.2	6.20				V,S,P,M
08/21/2003	FMETL	2050	4.19	1570	3.02	132	6.35				V,S,P,M
10/22/2003	FMETL	1910	3.89	3120	2.68	162	6.58				V,S,P,M

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/22/2003

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FORT MONMOUTH

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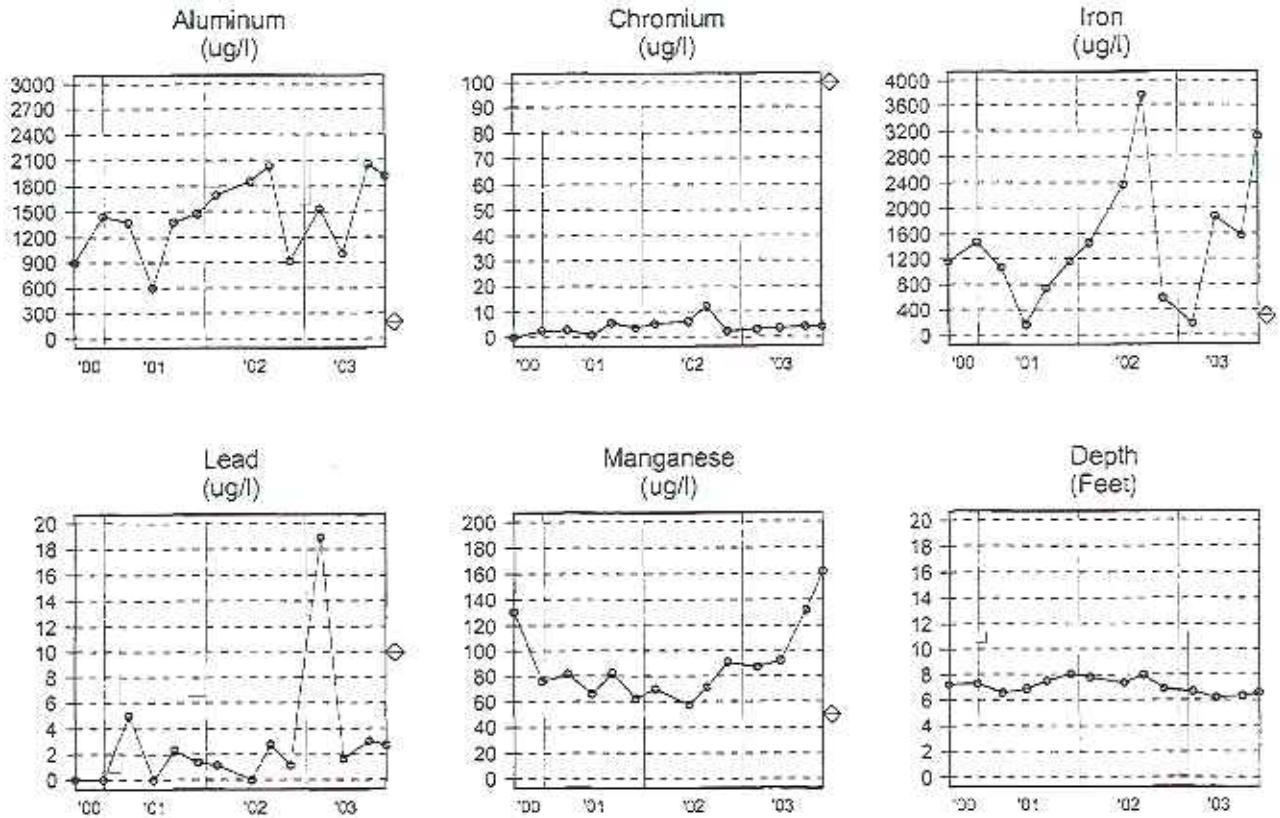

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/22/2003

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NJDEP Criteria

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Source 8 of 14, Graph

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	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	410	ND	812	ND	431	6.08				V,S,P,M
12/27/2000	FMETL	954	5.38	2340	ND	362	6.31				V,S,P,M
03/23/2001	FMETL	470	2.70	430	59.0	399	5.90				V,S,P,M
06/22/2001	FMETL	69.8	2.04	272	ND	266	6.21				V,S,P,M
09/07/2001	FMETL	312	4.65	398	2.32	219	6.57				V,S,P,M
12/03/2001	FMETL	549	6.65	1330	22.4	232	7.05				V,S,P,M
02/08/2002	FMETL	488	3.45	498	ND	318	6.85				V,S,P,M
06/13/2002	FMETL	1410	11.3	3590	ND	346	6.49				V,S,P,M
08/23/2002	FMETL	719	6.94	1290	ND	251	6.83				V,S,P,M
11/07/2002	FMETL	1260	12.3	2690	1.30	340	5.84				V,S,P,M
02/21/2003	FMETL	555	1.74	40.9	ND	513	6.00				V,S,P,M
05/15/2003	FMETL	918	3.59	656	ND	708	5.59				V,S,P,M
08/21/2003	FMETL	822	3.37	742	ND	635	5.55				V,S,P,M
10/22/2003	FMETL	796	4.25	495	ND	511	6.08				V,S,P,M

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/22/2003

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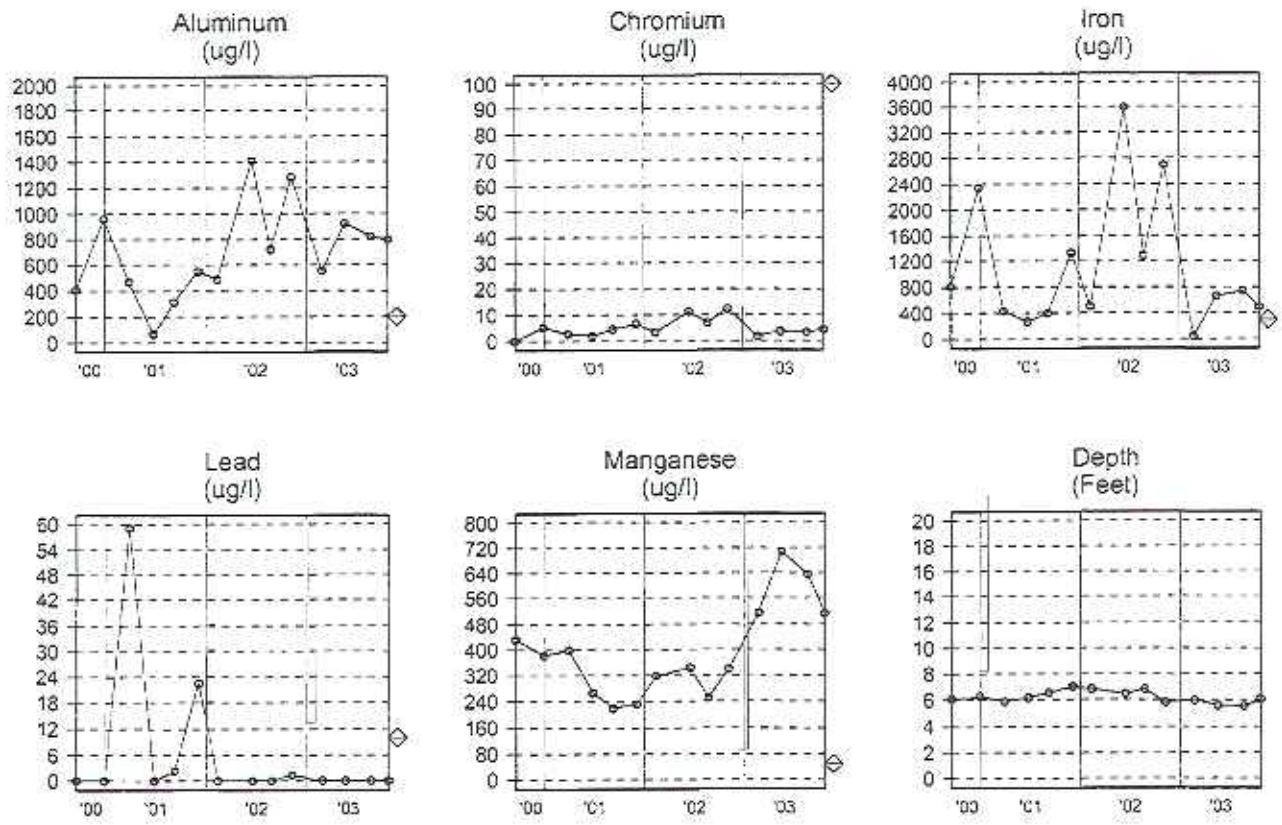

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Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

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o = Date Sampled

NJDEP Criteria

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	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	489	ND	465	ND	451	7.19				V,S,P,M
12/27/2000	FMETL	326	1.20	420	17.0	291	7.45				V,S,P,M
03/23/2001	FMETL	320	0.80	260	3.00	287	6.95				V,S,P,M
06/22/2001	FMETL	ND	1.11	179	ND	244	7.04				V,S,P,M
09/07/2001	FMETL	450	4.67	607	3.45	224	7.32				V,S,P,M
12/03/2001	FMETL	3210	20.2	7280	4.76	239	7.68				V,S,P,M
02/08/2002	FMETL	557	3.80	831	ND	223	7.63				V,S,P,M
06/13/2002	FMETL	245	1.41	228	ND	170	7.25				V,S,P,M
08/23/2002	FMETL	248	2.36	396	2.13	223	7.51				V,S,P,M
11/07/2002	FMETL	125	1.03	48.3	ND	177	7.03				V,S,P,M
02/21/2003	FMETL	217	1.74	351	ND	187	7.36				V,S,P,M
05/15/2003	FMETL	243	1.98	461	1.07	170	6.87				V,S,P,M
08/21/2003	FMETL	316	2.25	453	ND	203	6.71				V,S,P,M
10/22/2003	FMETL	290	2.15	222	1.12	206	6.91				V,S,P,M

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/22/2003

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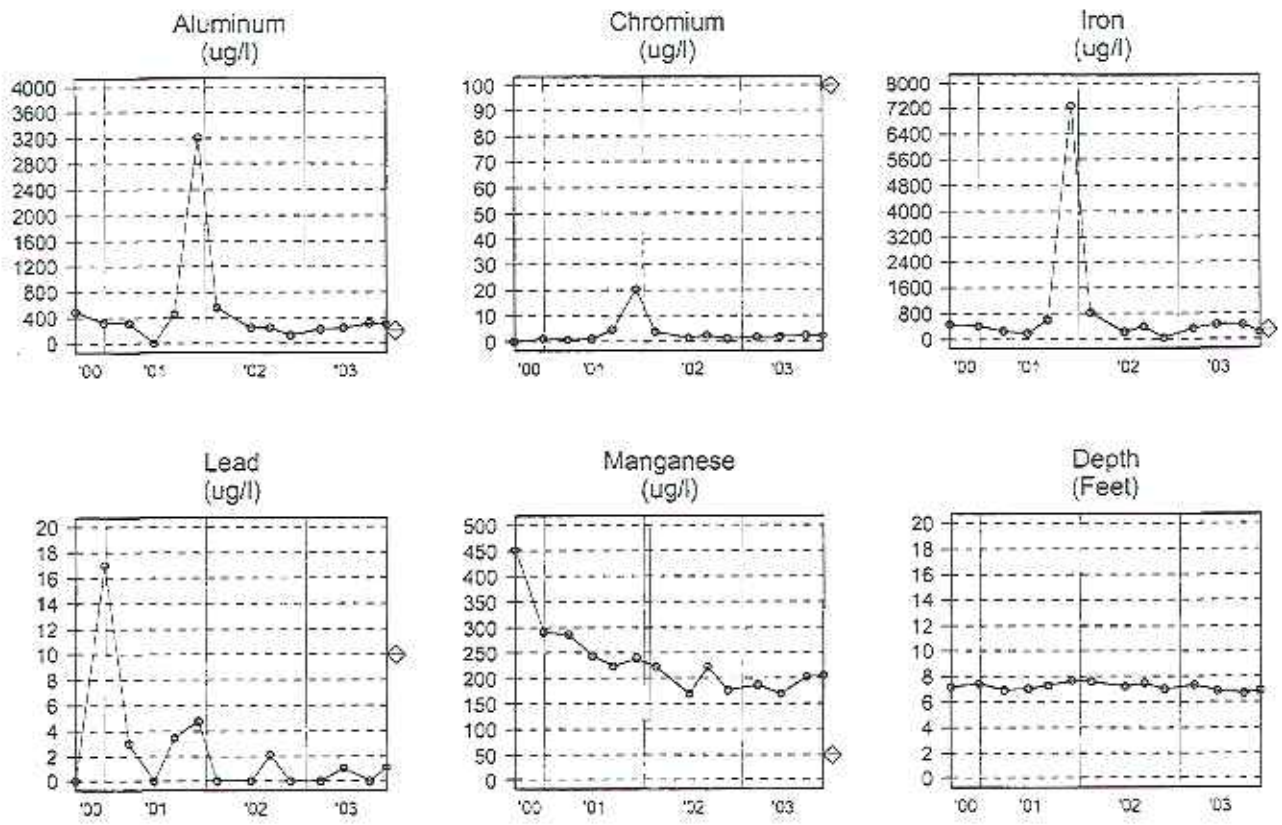

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/22/2003

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NJDEP Criteria

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Source 2 of 14, Graph

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	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	138	ND	22400	ND	190	5.39				V,S,P,M
12/27/2000	FMETL	209	7.30	23400	54.9	162	5.58				V,S,P,M
03/23/2001	FMETL	910	4.90	16500	7.00	173	4.03				V,S,P,M
06/22/2001	FMETL	ND	ND	29200	ND	227	5.11				V,S,P,M
09/07/2001	FMETL	18.9	1.97	42600	5.74	268	5.73				V,S,P,M
12/03/2001	FMETL	ND	0.796	27900	1.35	174	6.15				V,S,P,M
02/08/2002	FMETL	249	1.86	35900	ND	194	5.95				V,S,P,M
06/13/2002	FMETL	107	ND	43800	ND	211	7.55				V,S,P,M
08/23/2002	FMETL	223	1.89	19500	1.86	150	6.10				V,S,P,M
11/07/2002	FMETL	ND	ND	31000	ND	256	5.01				V,S,P,M
03/07/2003	FMETL	261	1.93	25300	2.05	260	4.28				V,S,P,M
05/15/2003	FMETL	ND	2.75	27600	1.54	304	5.15				V,S,P,M
08/21/2003	FMETL	1870	9.09	47000	1.65	320	5.05				V,S,P,M
10/22/2003	FMETL	359	1.80	25900	2.47	225	5.50				V,S,P,M

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/22/2003

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FORT MONMOUTH
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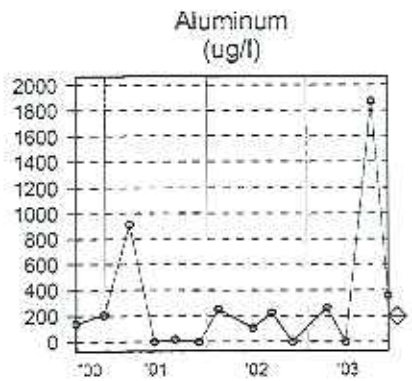

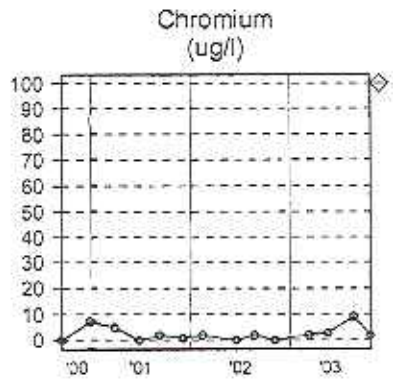

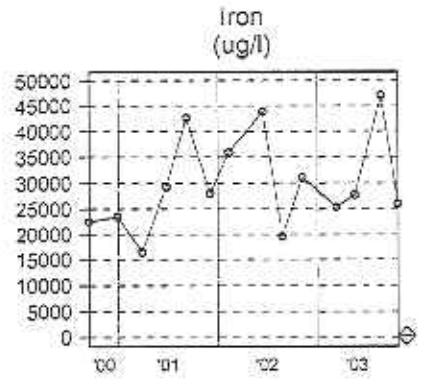

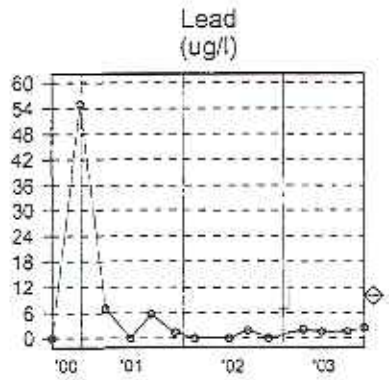

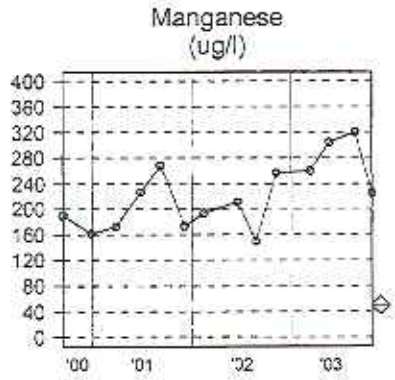

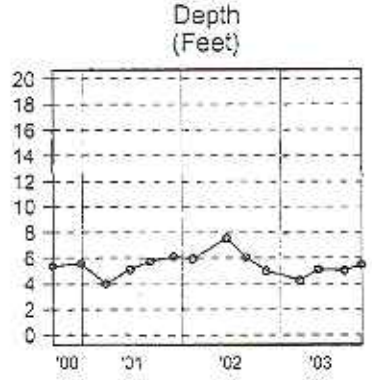

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/22/2003

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NJDEP Criteria

FORT MONMOUTH

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Source 1 of 14, Graph

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01-05-2004 X:\Mtech\Data\812\812.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	778	ND	1650	ND	346	4.42				V,S,P,M
12/27/2000	FMETL	859	ND	2890	ND	286	4.39				V,S,P,M
12/27/2000D	FMETL	787	ND	3370	16.5	298	4.39				V,S,P,M
03/23/2001	FMETL	1070	1.80	3350	4.00	274	3.57				V,S,P,M
06/22/2001	FMETL	724	0.573	6720	2.29	350	3.93				V,S,P,M
09/07/2001	FMETL	956	1.44	8440	4.14	255	4.82				V,S,P,M
12/03/2001	FMETL	1630	5.05	19900	5.67	338	4.83				V,S,P,M
02/08/2002	FMETL	1750	2.86	8880	8.59	550	5.25				V,S,P,M
06/13/2002	FMETL	2570	1.51	43200	4.94	537	4.76				V,S,P,M
08/23/2002	FMETL	1220	1.22	7930	3.28	528	5.55				V,S,P,M
11/07/2002	FMETL	1140	1.17	4810	1.39	557	4.72				V,S,P,M
03/07/2003	FMETL	943	1.09	16800	5.38	339	3.28				V,S,P,M
05/15/2003	FMETL	725	ND	1080	ND	216	3.32				V,S,P,M
08/21/2003	FMETL	623	ND	6660	ND	241	3.44				V,S,P,M
10/22/2003	FMETL	2310	1.07	31000	4.10	367	3.95				V,S,P,M

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/22/2003

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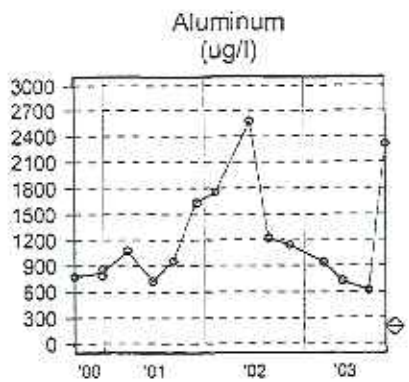

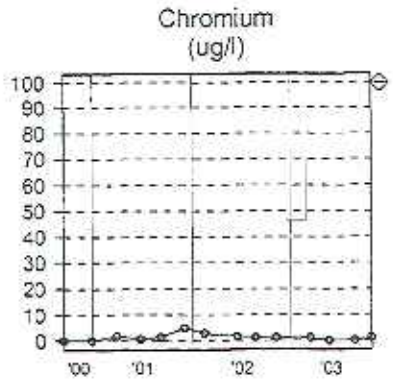

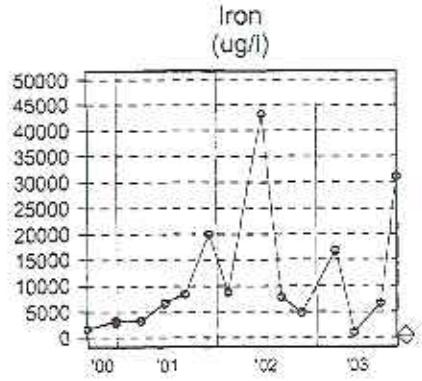

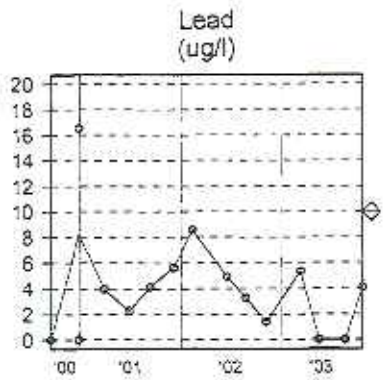

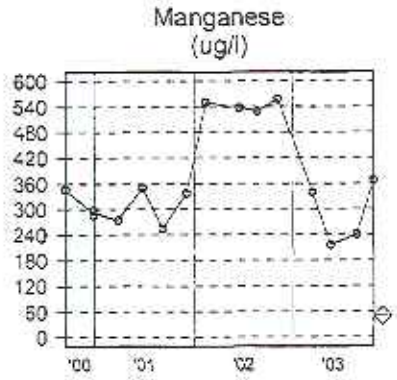

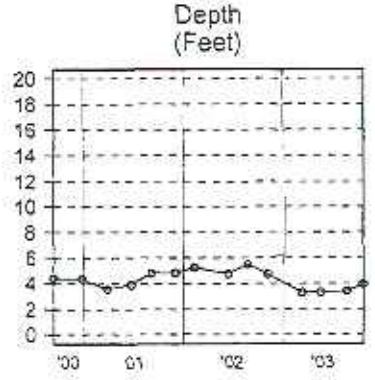

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09/14/2000 - 10/22/2003

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	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	504	ND	239	ND	66.0	10.34				V,S,P,M
12/27/2000	FMETL	1010	2.14	1420	ND	83.9	10.63				V,S,P,M
03/23/2001	FMETL	1340	8.80	2890	4.00	80.9	8.99				V,S,P,M
06/22/2001	FMETL	329	2.75	608	ND	44.1	9.50				V,S,P,M
09/07/2001	FMETL	842	6.86	1980	3.09	61.1	10.98				V,S,P,M
12/03/2001	FMETL	999	6.79	1560	2.43	78.1	12.05				V,S,P,M
02/08/2002	FMETL	615	1.85	458	1.20	84.5	11.80				V,S,P,M
06/13/2002	FMETL	1110	2.80	1370	6.14	80.9	10.92				V,S,P,M
08/23/2002	FMETL	396	1.31	63.4	1.20	62.7	12.04				V,S,P,M
11/07/2002	FMETL	643	3.55	579	ND	65.4	10.46				V,S,P,M
03/07/2003	FMETL	981	2.61	1190	2.00	125	8.42				V,S,P,M
05/15/2003	FMETL	905	1.46	372	1.39	105	8.43				V,S,P,M
08/21/2003	FMETL	1680	2.55	277	1.03	102	8.91				V,S,P,M
10/22/2003	FMETL	1690	3.38	466	4.31	110	10.40				V,S,P,M

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/22/2003

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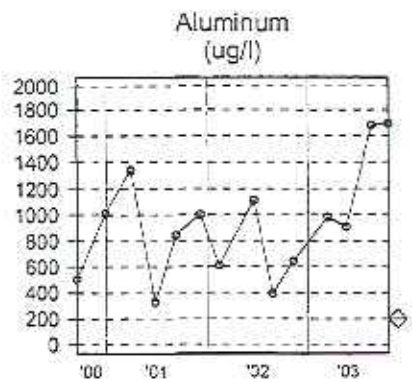
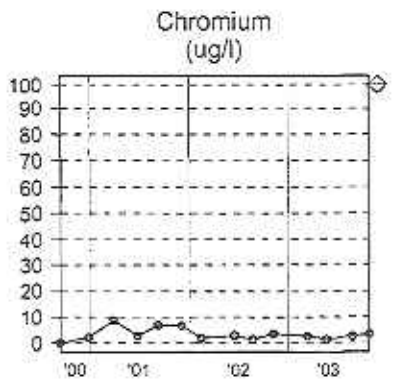
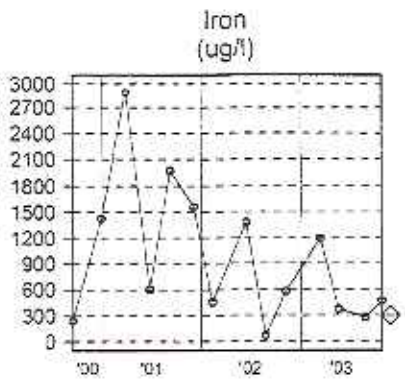
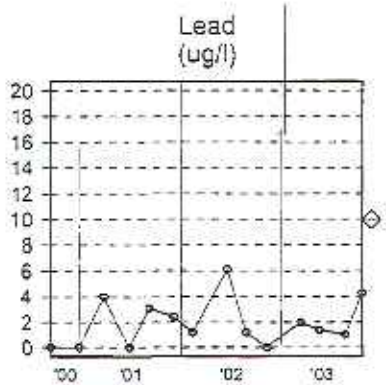
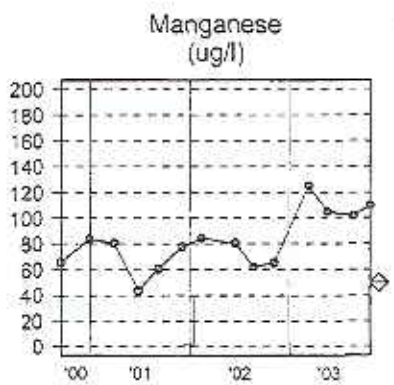
FORT MONMOUTH
SELFM-PW-EV

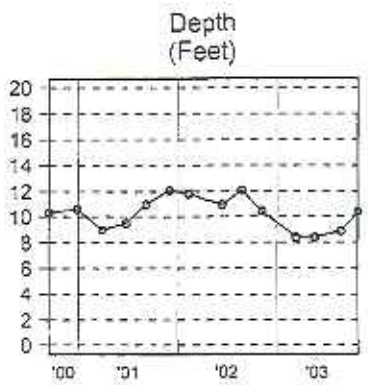












SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

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

01-05-2004 X:\Mech Data\812\812.WSF

	Lab	Aluminum	Chromium	Iron	Lead	Manganese	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	100	300	10	50	-				-
09/14/2000	FMETL	1720	3.22	5650	ND	359	8.65				V,S,P,M
09/14/2000D	FMETL	1210	ND	4010	4.90	390	8.65				V,S,P,M
12/27/2000	FMETL	220	ND	3430	ND	81.4	8.87				V,S,P,M
03/23/2001	FMETL	2580	10.9	5020	5.00	244	8.27				V,S,P,M
06/22/2001	FMETL	712	5.30	2400	ND	164	8.46				V,S,P,M
06/22/2001D	FMETL	437	4.23	3310	ND	163	8.46				V,S,P,M
09/07/2001	FMETL	188	2.19	3180	1.50	182	8.85				V,S,P,M
09/07/2001	FMETL	463	3.07	5150	ND	175	8.85				V,S,P,M
12/03/2001	FMETL	484	3.54	3770	1.74	351	9.18				V,S,P,M
02/08/2002	FMETL	233	1.87	3150	ND	115	9.15				V,S,P,M
06/13/2002	FMETL	322	2.07	2760	ND	63.4	8.74				V,S,P,M
08/23/2002	FMETL	123	0.861	1790	1.14	89.2	9.09				V,S,P,M
11/07/2002	FMETL	2560	12.1	4450	ND	31.2	8.14				V,S,P,M
02/21/2003	FMETL	202	6.33	1120	ND	48.4	8.45				V,S,P,M
05/15/2003	FMETL	5110	19.6	5480	2.89	172	8.03				V,S,P,M
08/21/2003	FMETL	1810	9.00	3970	ND	74.3	7.98				V,S,P,M
10/22/2003	FMETL	1540	8.99	2570	2.14	57.7	8.38				V,S,P,M

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/22/2003

NOTES:

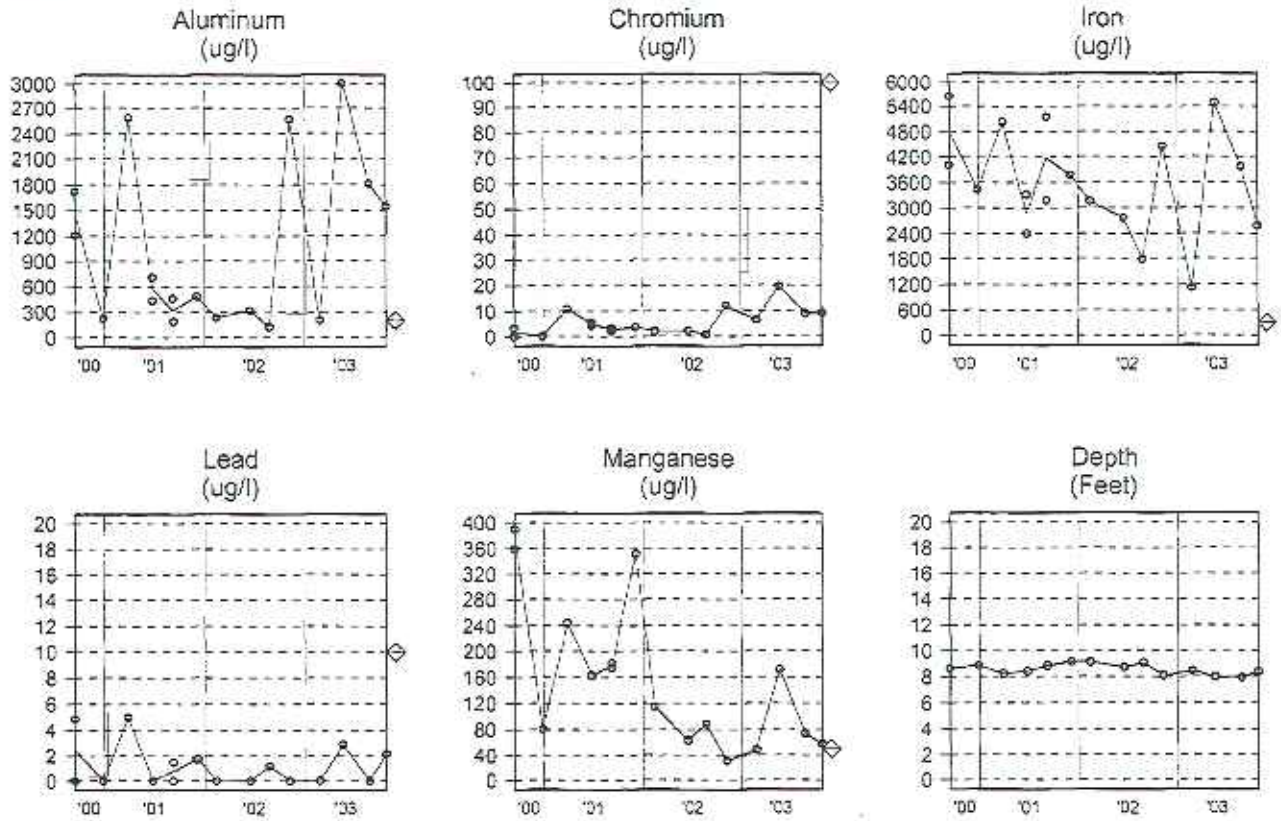
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

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

01-05-2004 X:\MechData\812\812.WSF



SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/22/2003

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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

01-05-2004 X:\MechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4005704	0812MW01	29-42572	01/22/04
4005705	0812MW02	29-42573	01/22/04
Not Sampled	0812MW03	29-42574	Not Sampled
4005706	0812MW04	29-42575	01/22/04
4005707	0812MW05	29-42576	01/22/04
4005708	0812MW06	29-42577	01/22/04
4005709	0812MW07	29-42578	01/22/04
4005710	0812MW08	29-42579	01/22/04
Not Sampled	0812MW09	29-42580	Not Sampled
Not Sampled	0812MW10	29-42581	Not Sampled
Not Sampled	0812MW11	29-42582	Not Sampled
Not Sampled	0812MW12	29-42583	Not Sampled
Not Sampled	0812MW13	29-42584	Not Sampled
4005711	0812MW14	29-42888	01/22/04

NJDEP Laboratory Certification # 13461

3-1-04

Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608

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 #: X21223
(X) DERA ( )OMA ( )Other:

Project No:
Location: 812 Wells
1st Qrtr '04

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOHS							How Read	Remarks / Preservation Method
40057 01	Trip	1/22/04	0751	AQ	2	✓							—	
02	Field Blank		1000		2	✓							—	
03	Dupe		—		2	✓							—	
04	812 mw01		1116		2	✓							0.0	29-42572
05	812 mw02		1215			✓							0.0	29-42573
06	812 mw04		1013			✓							0.0	29-42575
07	812 mw05		1230			✓							0.0	29-42576
08	812 mw06		1058			✓							0.0	29-42577
09	812 mw07		1205			✓							0.0	29-42578
10	812 mw08		1052			✓							0.0	29-42579
11	812 mw14		1023			✓							0.0	29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	1/22/04 1400	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X) Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X) Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: N/A

812 mw's 3, 9, 10, 11, 12, 13 no longer sampled per DG/Verser. DTW only. [illegible]

print legibly

COC.XLS12/12/2003

LTM Depth to Water

Location: 812
Date: 01/22/04

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
0812MW01	29-42572	48.62	4	8.21
0812MW02	29-42573	47.91	4	5.76
0812MW03	29-42574	46.81	4	6.32
0812MW04	29-42575	6.62	4	3.8
0812MW05	29-42576	17.59	4	8.78
0812MW06	29-42577	15	4	6.94
0812MW07	29-42578	17.31	4	11.11
0812MW08	29-42579	15.26	4	6.35
0812MW09	29-42580	15.6	4	5.77
0812MW10	29-42581	15.31	4	6.89
0812MW11	29-42582	14.55	4	5.13
0812MW12	29-42583	15.31	4	3.45
0812MW13	29-42584	18.55	4	9.15
0812MW14	29-42888	14.65	4	7.92

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.21 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.41 ft
(40.41) X .65 X 3 =78.79
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.75 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:30
pH 6.93 su — TEMP 12.98 °C
DISSOLVED O_2 3.61 mg/L — SPECIFIC CONDUCTIVITY 321 µs/cm

PURGE END TIME: 11:15
pH 6.87 su — TEMP 12.57 °C
DISSOLVED O_2 2.27 mg/L — SPECIFIC CONDUCTIVITY 329 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 19.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 11:16
pH 6.86 su — TEMP 12.56 °C
DISSOLVED O_2 2.25 mg/L — SPECIFIC CONDUCTIVITY 330 µs/cm

SAMPLE END TIME: 11:18

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.76 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.15 ft
(42.15) X .65 X 3 = 82.19
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.88 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:30
pH 7.12 su — TEMP 12.91 °C
DISSOLVED O_2 2.97 mg/L — SPECIFIC CONDUCTIVITY 326 µs/cm

PURGE END TIME: 12:14
pH 6.91 su — TEMP 12.51 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 361 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.79 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 12:15
pH 6.92 su — TEMP 12.52 °C
DISSOLVED O_2 2.15 mg/L — SPECIFIC CONDUCTIVITY 362 µs/cm

SAMPLE END TIME: 12:17

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.32 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.50 ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.80 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.82 ft
(2.82) X .65 X 3 = 5.49
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:50
pH 4.76 su — TEMP 13.91 °C
DISSOLVED O_2 2.10 mg/L — SPECIFIC CONDUCTIVITY 2169 µs/cm

PURGE END TIME: 10:12
pH 4.68 su — TEMP 13.76 °C
DISSOLVED O_2 1.74 mg/L — SPECIFIC CONDUCTIVITY 2211 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.77 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 10:13
pH 4.69 su — TEMP 13.75 °C
DISSOLVED O_2 1.73 mg/L — SPECIFIC CONDUCTIVITY 2212 µs/cm

SAMPLE END TIME: 10:15

COMMENTS: DUP. Here. Particles black/white.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.78 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.81 ft
(8.81) X .65 X 3 =17.17
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:15
pH 5.39 su — TEMP 13.67 °C
DISSOLVED O_2 2.97 mg/L — PECIFIC CONDUCTIVITY 676 µs/cm

PURGE END TIME: 12:29
pH 5.21 su — TEMP 13.17 °C
DISSOLVED O_2 2.00 mg/L — SPECIFIC CONDUCTIVITY 720 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.15 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 12:30
pH 5.22 su — TEMP 13.15 °C
DISSOLVED O_2 2.02 mg/L — SPECIFIC CONDUCTIVITY 722 µs/cm

SAMPLE END TIME: 12:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.94 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.06 ft
(8.06) X .65 X 3 = 15.71
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:48
pH 5.27 su — TEMP 13.87 °C
DISSOLVED O_2 3.64 mg/L — SPECIFIC CONDUCTIVITY 467 µs/cm

PURGE END TIME: 10:57
pH 5.09 su — TEMP 13.66 °C
DISSOLVED O_2 2.20 mg/L — SPECIFIC CONDUCTIVITY 517 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:58
pH 5.10 su — TEMP 13.65 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 521 µs/cm

SAMPLE END TIME: 11:00

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.11 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.20 ft
(6.20) X .65 X 3 =12.09
GALLONS OF H_2O TO BE PURGED: 12 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:13
pH 5.11 su — TEMP 13.19 °C
DISSOLVED O_2 3.12 mg/L — SPECIFIC CONDUCTIVITY 461 µs/cm

PURGE END TIME: 12:05
pH 4.83 su — TEMP 13.07 °C
DISSOLVED O_2 2.61 mg/L — SPECIFIC CONDUCTIVITY 579 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.30 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 12:06
pH 4.84 su — TEMP 13.06 °C
DISSOLVED O_2 2.63 mg/L — SPECIFIC CONDUCTIVITY 581 µs/cm

SAMPLE END TIME: 12:08

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.35 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.91 ft
(8.91) X .65 X 3 =17.37
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:37
pH 5.10 su — TEMP 13.26 °C
DISSOLVED O_2 3.50 mg/L — SPECIFIC CONDUCTIVITY 361 µs/cm

PURGE END TIME: 10:51
pH 4.92 su — TEMP 13.07 °C
DISSOLVED O_2 2.21 mg/L — SPECIFIC CONDUCTIVITY 489 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.85 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:52
pH 4.93 su — TEMP 13.05 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 492 µs/cm

SAMPLE END TIME: 10:55

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.77 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.52 ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.89 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.13 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.45 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.15 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 01/22/04
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.92 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.73 ft
(6.73) X .65 X 3 –13.12
GALLONS OF H_2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:26
pH 5.53 su — TEMP 13.29 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 286 µs/cm

PURGE END TIME: 10:22
pH 5.27 su — TEMP 12.98 °C
DISSOLVED O_2 2.41 mg/L — SPECIFIC CONDUCTIVITY 269 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.05 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 10:23
pH 5.26 su — TEMP 12.97 °C
DISSOLVED O_2 2.38 mg/L — SPECIFIC CONDUCTIVITY 270 µs/cm

SAMPLE END TIME: 10:25

COMMENTS: Slightly cloudy.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VC011061.D	Sample Name	MB 02Feb04
Operator	Skelton	Field ID	MB 02Feb04
Date Aquired	2-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	9.62	384890	2.32 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/12/2004 10:05 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

MB 02Feb04

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 02Feb04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011061.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/2/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VB015452.D	Sample Name	MB 04Feb04
Operator	Skelton	Field ID	MB 04Feb04
Date Acquired	4 Feb 2004 1:31 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.05	76574	2.33 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9 6 2-Sep 93

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 04Feb04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 04Feb04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015452.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC011074.D	Sample Name	4005701
Operator	Skelton	Field ID	Trip Blank
Date Aquired	2-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74 87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.57	182644	0.61 ug/L	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011074.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/2/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VC011075.D	Sample Name	4005702
Operator	Skelton	Field ID	Field Blank
Date Aquired	2-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.57	181793	0.62 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Blank

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011075.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/2/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VC011076.D	Sample Name	4005703
Operator	Skelton	Field ID	Dupe
Date Aquired	3-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.12	1046248	3.79 ug/L	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	9.62	227429	1.40 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene	21.57	155689	0.34 ug/L	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.20	441793	0.95 ug/L	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	25.47	273123	1.48 ug/L	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene	26.45	326623	1.03 ug/L	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Dupe

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011076.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/3/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VC011077.D	Sample Name	4005704
Operator	Skelton	Field ID	812MW01
Date Aquired	3-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812MW01

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011077.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/3/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VC011078.D	Sample Name	4005705
Operator	Skelton	Field ID	812MW02
Date Acquired	3-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812MW02

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011078.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/3/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VC011079.D	Sample Name	4005706
Operator	Skelton	Field ID	812MW04
Date Aquired	3-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.11	1154439	4.06 ug/L	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	9.61	397985	2.38 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene	21.57	165952	0.36 ug/L	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.19	466680	1.02 ug/L	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	25.47	268475	1.48 ug/L	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene	26.45	331090	1.06 ug/L	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812MW04

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011079.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/3/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VC011080.D	Sample Name	4005707
Operator	Skelton	Field ID	812MW05
Date Aquired	3-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	9.60	2868914	16.53 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	13.05	2095072	7.17 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	14.77	5452825	102.47 ug/L	300	0.28 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane	15.93	4607991	17.26 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	22.89	49157	0.44 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/12/2004 10:06 AM

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

Data File	VB015469.D	Sample Name	4005707
Operator	Skelton	Field ID	812MW05
Date Acquired	5 Feb 2004 12:02 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.45 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.00 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone	12.04	184088	33.33 ug/L	700	2.00 ug/L	10.00 ug/L	D B
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane	14.35	69808	9.19 ug/L	70	1.75 ug/L	10.00 ug/L	D
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone	17.66	327236	140.15 ug/L	300	1.40 ug/L	10.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.30	120901	15.12 ug/L	30	1.45 ug/L	10.00 ug/L	D
56-23-5	Carbon Tetrachloride			not detected	2	1.35 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.50 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	600	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.70 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene	23.55	21471	3.08 ug/L	1	1.60 ug/L	10.00 ug/L	D
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.50 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	3.15 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	1.45 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	1.10 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812MW05

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011080.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/3/2004

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 NAME	RT	EST. CONC.	Q
1. 000074-93-1	Methanethiol	5.90	5	JN

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

Data File	VC011081.D	Sample Name	4005708
Operator	Skelton	Field ID	812M1W06
Date Aquired	3-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	9.64	95807	0.60 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3 Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/12/2004 10:05 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812MW06

Lab Name: FMETL NJDEP # 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC011081.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/3/2004

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 NAME	RT	EST. CONC.	Q

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

Data File	VB015470.D	Sample Name	4005709
Operator	Skelton	Field ID	812MW07
Date Acquired	5 Feb 2004 12:39 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	11.99	839271	29.78 ug/L	700	0.40 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.35	107168	2.76 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.61	1855363	155.70 ug/L	300	0.28 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.30	45613	1.12 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.55	15977	0.46 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB015483.D	Sample Name	4005709
Operator	Skelton	Field ID	812MW07
Date Acquired	5 Feb 2004 8:37 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	2.90 ug/L	20.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone	12.06	175010	67.55 ug/L	700	4.00 ug/L	20.00 ug/L	D B
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone	17.67	241891	220.85 ug/L	300	2.80 ug/L	20.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-22-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene			not detected	1	3.00 ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	3.40 ug/L	20.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.00 ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	6.30 ug/L	40.00 ug/L	
95-47-6	o-Xylene			not detected	nle	2.90 ug/L	20.00 ug/L	
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2 Sep 97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW07

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015470.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000074-93-1	Methanethiol	6.21	4	JN
2.	unknown	15.48	4	J

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

Data File	VB015471.D	Sample Name	4005710
Operator	Skelton	Field ID	812MW08
Date Acquired	5 Feb 2004 1:16 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.04	147266	5.22 ug/L	700	0.40 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide	9.45	170438	3.06 ug/L	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.69	126654	10.62 ug/L	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.54	15678	0.46 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW08

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015471.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/5/2004

GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB015472.D	Sample Name	4005711
Operator	Skelton	Field ID	812MW14
Date Acquired	5 Feb 2004 1:53 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.23 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40057 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4005711

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015472.D

Level: (low/med) LOW Date Received: 1/22/2004

% Moisture: not dec. Date Analyzed: 2/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

	Lab	2-But anone	Depth							Notes
Units:	-	ug/l	Feet							-
NJDEP Criteria:	-	300	-							-
09/09/2000	FMETL	ND	8.97							V,S,P,M
09/09/2000D	FMETL	ND	8.97							V,S,P,M
12/27/2000	FMETL	ND	8.94							V,S,P,M
03/16/2001	FMETL	ND	8.48							V,S,P,M
06/21/2001	FMETL	ND	8.54							V,S,P,M
06/21/2001D	FMETL	ND	8.54							V,S,P,M
08/27/2001	FMETL	ND	9.16							V,S,P,M
11/27/2001	FMETL	ND	9.73							V,S,P,M
02/06/2002	FMETL	ND	9.44							V,S,P,M
06/28/2002	FMETL	ND	9.15							V,S,P,M
08/28/2002	FMETL	ND	10.03							V,S,P,M
11/14/2002	FMETL	ND	8.88							V,S,P,M
03/14/2003	FMETL	5.26	8.26							V,S,P,M
05/15/2003	FMETL	ND	7.57							V,S,P,M
08/20/2003	FMETL	ND	7.80							V,S,P,M
10/20/2003	FMETL	ND	8.52							V,S,P,M
01/22/2004	FMETL	ND	8.21							V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/22/2004

NOTES:

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M-8 Bldg 697

Source 12 of 14

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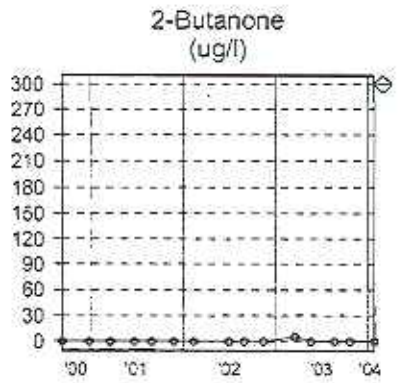

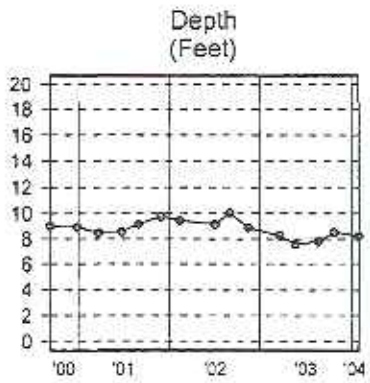

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 12 of 14, Graph

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	Lab	Depth								Notes
Units:	-	Feet								-
NJDEP Criteria:	-	-								-
09/09/2000	FMETL	6.67								V,S,P,M
12/27/2000	FMETL	6.93								V,S,P,M
03/16/2001	FMETL	6.06								V,S,P,M
06/21/2001	FMETL	5.98								V,S,P,M
08/27/2001	FMETL	6.87								V,S,P,M
11/27/2001	FMETL	7.95								V,S,P,M
02/06/2002	FMETL	8.25								V,S,P,M
06/28/2002	FMETL	8.66								V,S,P,M
08/28/2002	FMETL	7.67								V,S,P,M
11/14/2002	FMETL	6.67								V,S,P,M
03/14/2003	FMETL	5.54								V,S,P,M
05/15/2003	FMETL	6.43								V,S,P,M
08/20/2003	FMETL	6.03								V,S,P,M
10/20/2003	FMETL	6.14								V,S,P,M
01/22/2004	FMETL	5.76								V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/22/2004

NOTES:

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Source 13 of 14

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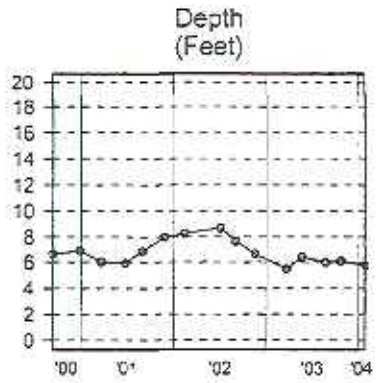
SELFM-PW-EV



SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 13 of 14, Graph

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FORT MONMOUTH
SELFM-PW-EV

03-01-2004 :\Ga-045\ENVR_Data\MechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 01/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

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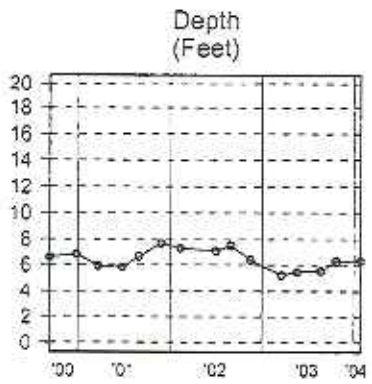
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 14 of 14 Graph

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SELFM-PW-EV

03-01-2004 \\Gal045\ENVR_Data\MechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	5	NLE	10	1	40	1	1	-	-
09/14/2000	FMETL	ND	4793.33	ND	5669.25	6.58	120.22			4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	406.83	4.17	191.02			4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	316.55	ND	32.16			3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	56.72	ND	8.51			5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	ND	196.94	ND	301.23			4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	125.92	3.51	114.73			5.09	V,S,P,M
02/08/2002	FMETL	ND	4068.63	12.65	864.87	5.87	238.34			4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	509.66	8.04	302.66			4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	40.90	5.43	211.4			4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	7.76	ND	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	178.9	1.41	88.36	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	7.60	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	5.09	37.35	ND	20.7	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	26.61	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	2.54	ND	ND	3.60	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 11 of 14

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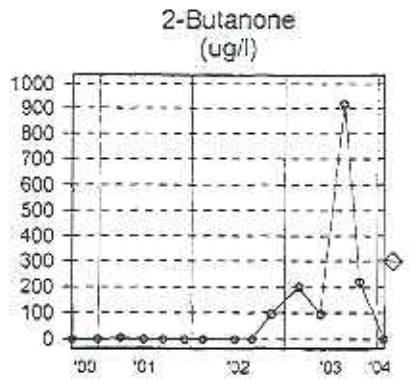
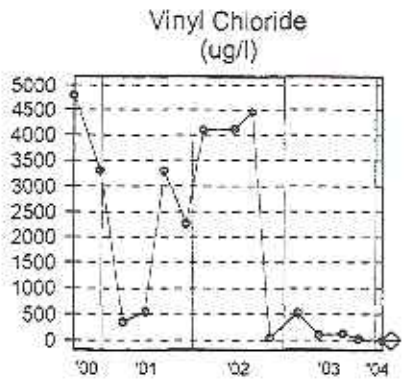
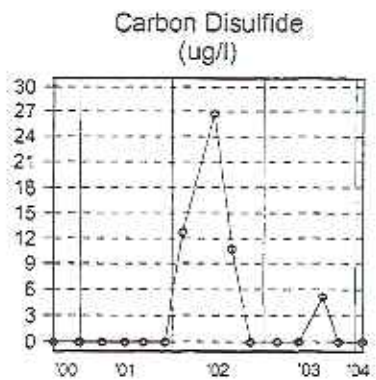
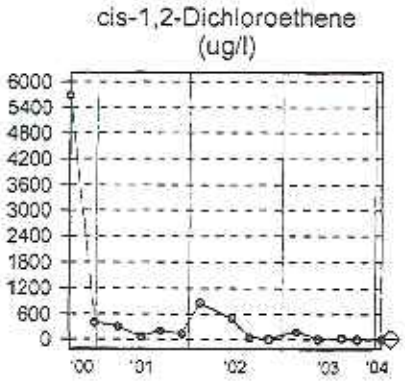
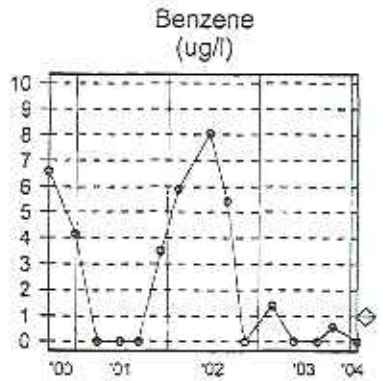
SELFM-PW-EV

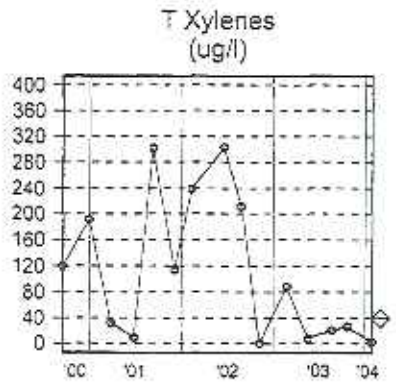


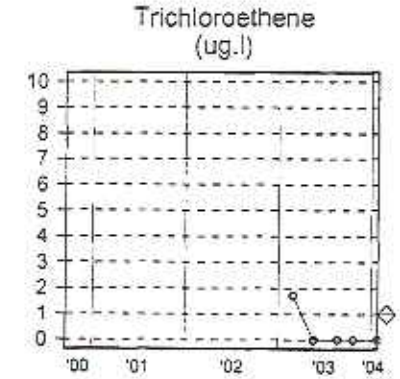


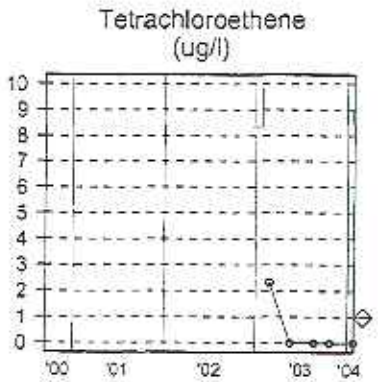


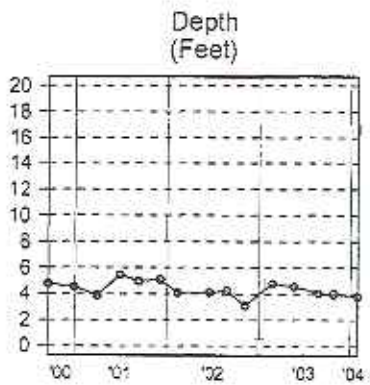












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 11 of 14, Graph

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

03-01-2004 \\Gar045\ENVR_Data\Misc\Data\812\812.WSF

	Lab	2-But anone	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	30	1	-						-
09/14/2000	FMETL	ND	13.04		9.83						V,S,P,M
12/27/2000	FMETL	ND	1.58		10.12						V,S,P,M
03/23/2001	FMETL	ND	5.77		8.83						V,S,P,M
03/23/2001D	FMETL	ND	4.62		8.83						V,S,P,M
06/22/2001	FMETL	ND	10.94		9.54						V,S,P,M
09/07/2001	FMETL	ND	ND		10.38						V,S,P,M
12/03/2001	FMETL	ND	2.36		11.16						V,S,P,M
02/08/2002	FMETL	ND	2.27		10.87						V,S,P,M
06/13/2002	FMETL	ND	5.66		10.25						V,S,P,M
08/23/2002	FMETL	ND	5.83		11.13						V,S,P,M
11/07/2002	FMETL	ND	29.36		9.85						V,S,P,M
03/07/2003	FMETL	5.90	14.49	ND	8.17						V,S,P,M
05/15/2003	FMETL	ND	8.16	ND	8.40						V,S,P,M
08/21/2003	FMETL	ND	16.8	ND	8.85						V,S,P,M
10/22/2003	FMETL	ND	9.47	ND	9.75						V,S,P,M
01/22/2004	FMETL	140.15	17.26	0.44	8.78						V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/22/2004

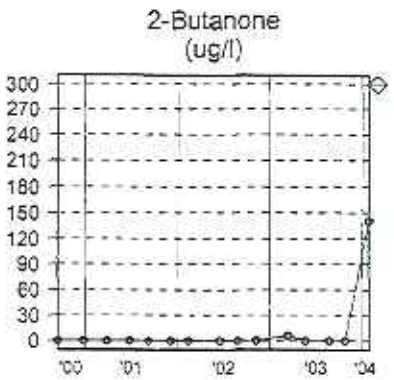
NOTES:

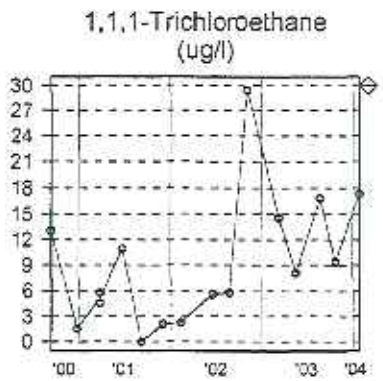
FORT MONMOUTH

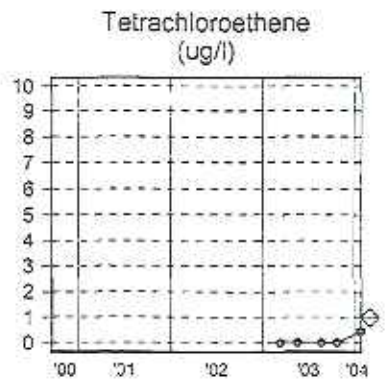
GW MONITORING
M-8 Bldg 697

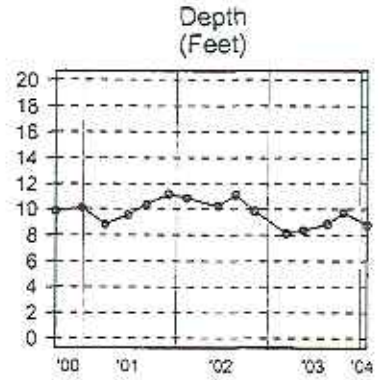
Source 10 of 14

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









SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

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

03-01-2004 \\Gar045\ENVR_Data\MlecnData\812\812.WSF

	Lab	Depth								Notes
Units:	-	Feet								-
NJDEP Criteria:	-	-								-
09/14/2000	FMETL	7.83								V,S,P,M
12/27/2000	FMETL	7.98								V,S,P,M
03/23/2001	FMETL	6.99								V,S,P,M
06/22/2001	FMETL	7.45								V,S,P,M
09/07/2001	FMETL	8.37								V,S,P,M
12/03/2001	FMETL	8.75								V,S,P,M
12/03/2001D	FMETL	8.75								V,S,P,M
02/08/2002	FMETL	8.46								V,S,P,M
06/13/2002	FMETL	7.98								V,S,P,M
08/23/2002	FMETL	8.72								V,S,P,M
11/07/2002	FMETL	7.65								V,S,P,M
03/07/2003	FMETL	6.44								V,S,P,M
05/15/2003	FMETL	6.38								V,S,P,M
08/21/2003	FMETL	6.99								V,S,P,M
10/22/2003	FMETL	7.56								V,S,P,M
01/22/2004	FMETL	6.94								V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/22/2004

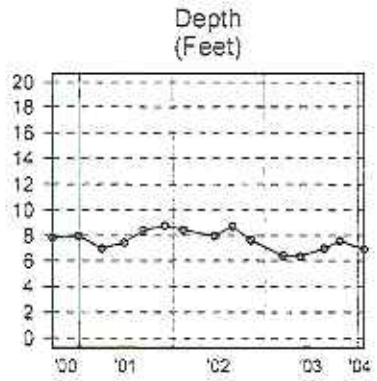
NOTES:

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 4 of 14

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



SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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M-8 Bldg 697

Source 4 of 14, Graph

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SELFM-PW-EV

03-01-2004 \\Gar045\ENVR_Data\MechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	300	NLE	30	1	-					-
09/14/2000	FMETL	ND	ND	11.29		11.19					V,S,P,M
12/27/2000	FMETL	ND	ND	2.91		11.22					V,S,P,M
03/23/2001	FMETL	ND	ND	4.49		10.47					V,S,P,M
06/22/2001	FMETL	ND	ND	3.24		10.80					V,S,P,M
09/07/2001	FMETL	ND	ND	ND		11.33					V,S,P,M
12/03/2001	FMETL	ND	5.85	ND		11.96					V,S,P,M
02/06/2002	FMETL	ND	ND	ND		11.70					V,S,P,M
06/13/2002	FMETL	ND	ND	18.81		11.17					V,S,P,M
08/23/2002	FMETL	ND	ND	11.38		11.80					V,S,P,M
11/07/2002	FMETL	ND	ND	5.26		10.83					V,S,P,M
03/07/2003	FMETL	6.21	8.27	12.84	ND	9.76					V,S,P,M
05/15/2003	FMETL	198.04	17.95	2.37	ND	10.02					V,S,P,M
08/21/2003	FMETL	ND	ND	15.54	ND	10.16					V,S,P,M
10/22/2003	FMETL	ND	ND	1.44	ND	10.75					V,S,P,M
01/22/2004	FMETL	220.85	ND	1.12	0.46	11.11					V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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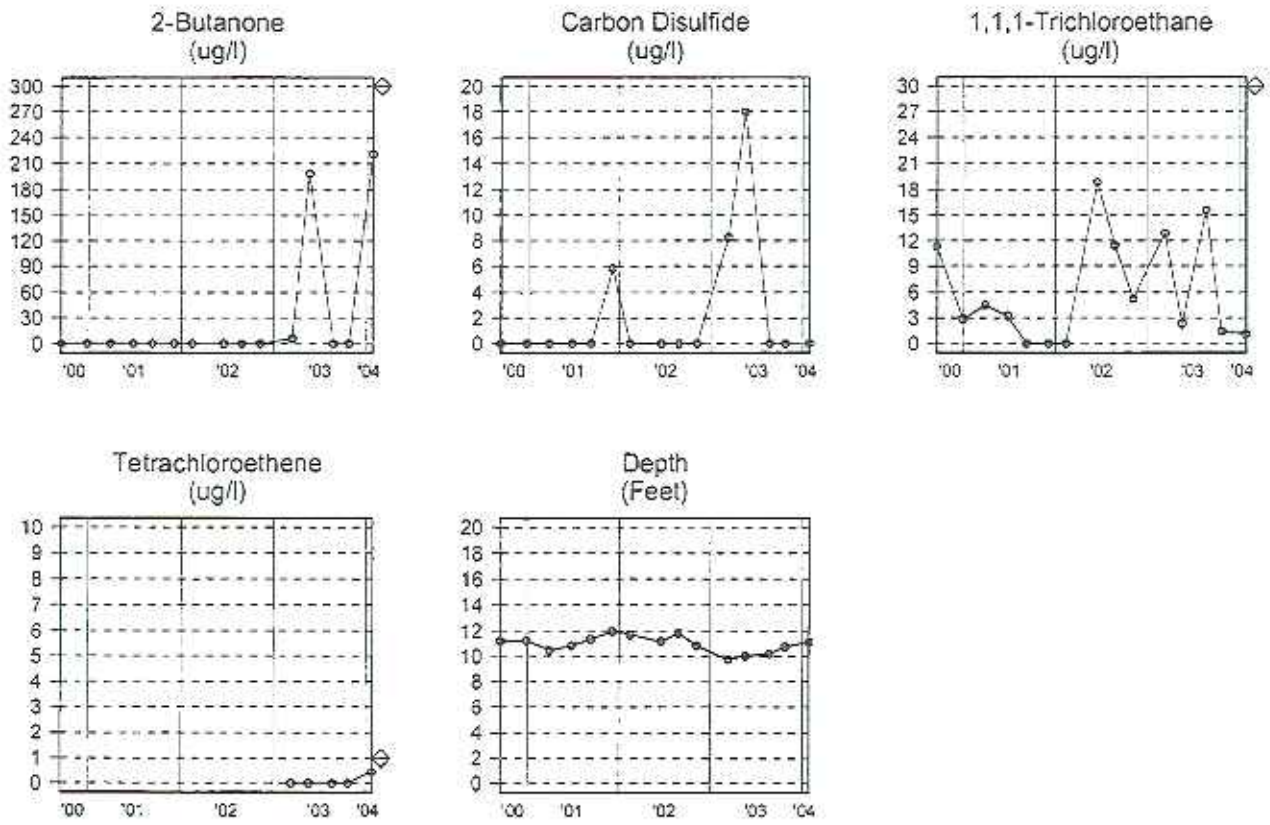
SELFM-PW-EV



SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 7 of 14, Graph

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03-01-2004 \\Gar045\ENVR_Data\MechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Tetra chloro ethere	Depth						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	NLE	1	-						-
09/14/2000	FMETL	ND	ND		7.23						V,S,P,M
12/27/2000	FMETL	ND	ND		7.32						V,S,P,M
03/23/2001	FMETL	ND	ND		6.56						V,S,P,M
06/22/2001	FMETL	ND	ND		6.90						V,S,P,M
09/07/2001	FMETL	ND	ND		7.52						V,S,P,M
12/03/2001	FMETL	ND	ND		8.07						V,S,P,M
02/08/2002	FMETL	ND	ND		7.82						V,S,P,M
06/13/2002	FMETL	ND	ND		7.36						V,S,P,M
08/23/2002	FMETL	ND	ND		8.03						V,S,P,M
11/07/2002	FMETL	ND	ND		6.87						V,S,P,M
02/21/2003	FMETL	ND	ND	ND	6.68						V,S,P,M
05/15/2003	FMETL	ND	ND	ND	6.20						V,S,P,M
08/21/2003	FMETL	ND	ND	ND	6.35						V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	6.58						V,S,P,M
01/22/2004	FMETL	10.62	3.06	0.46	6.35						V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/22/2004

NOTES:

FORT MONMOUTH

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M-8 Bldg 697

Source 8 of 14

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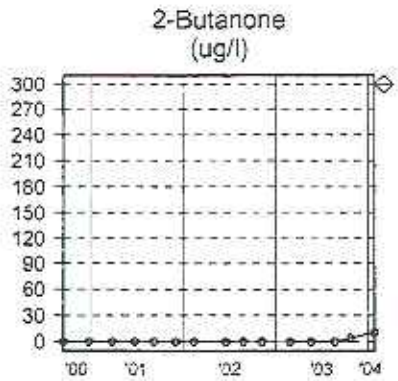

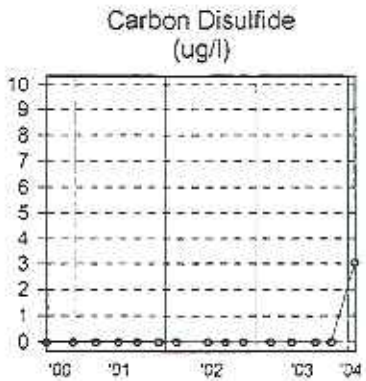

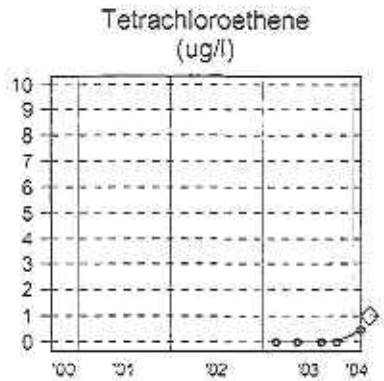

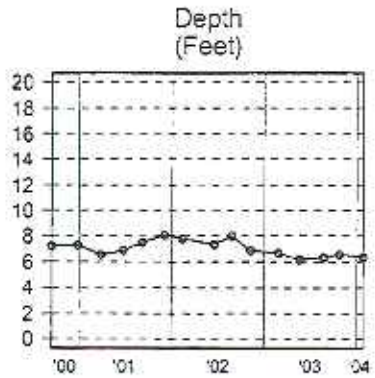

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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M-6 Bldg 697

Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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03-01-2004 \\Gar045\ENVR_Data\Mach Data\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 01/22/2004

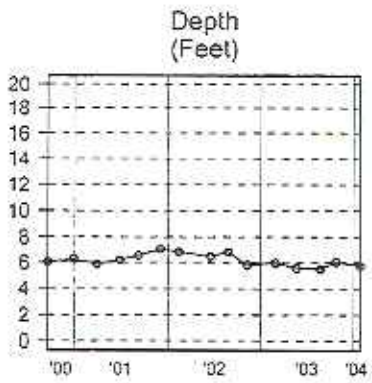
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

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



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

p = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

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

03-01-2004 \\Gar048\ENVR_Data\MtechData\812\812.WSF

	Lab	Trichloro fluoro methane	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/14/2000	FMETL	ND	7.19								V,S,P,M
12/27/2000	FMETL	ND	7.45								V,S,P,M
03/23/2001	FMETL	1.81	6.95								V,S,P,M
06/22/2001	FMETL	2.86	7.04								V,S,P,M
09/07/2001	FMETL	4.17	7.32								V,S,P,M
12/03/2001	FMETL	5.72	7.68								V,S,P,M
02/08/2002	FMETL	6.26	7.63								V,S,P,M
06/13/2002	FMETL	2.90	7.25								V,S,P,M
08/23/2002	FMETL	ND	7.51								V,S,P,M
11/07/2002	FMETL	ND	7.03								V,S,P,M
02/21/2003	FMETL	1.01	7.36								V,S,P,M
05/15/2003	FMETL	ND	6.87								V,S,P,M
08/21/2003	FMETL	ND	6.71								V,S,P,M
10/22/2003	FMETL	ND	6.91								V,S,P,M
01/22/2004	FMETL	-	6.89								NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 01/22/2004

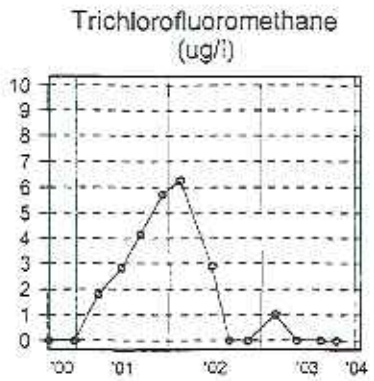
NOTES:

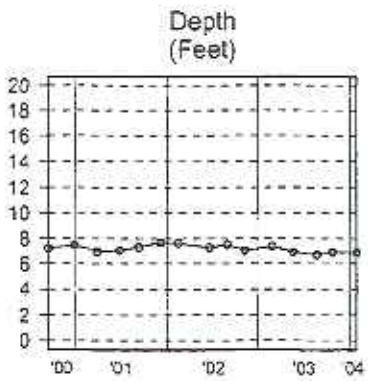
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

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





SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14. Graph

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

03-01-2004 :\Ga\045\ENVR_Data\MechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.56									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 01/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

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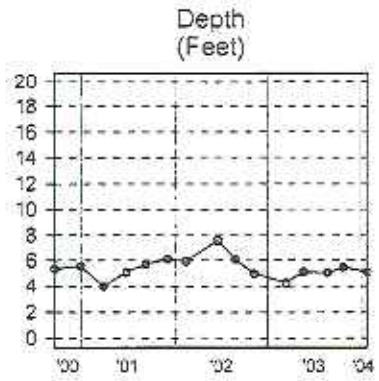
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

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

03-01-2004 \\Gar045\ENVR_Data\MtechData\812\812.WSF

	Lab	Depth								Notes
Units:	-	Feet								-
NJDEP Criteria:	-	-								-
09/14/2000	FMETL	4.42								V,S,P,M
12/27/2000	FMETL	4.39								V,S,P,M
12/27/2000D	FMETL	4.39								V,S,P,M
03/23/2001	FMETL	3.57								V,S,P,M
06/22/2001	FMETL	3.93								V,S,P,M
09/07/2001	FMETL	4.82								V,S,P,M
12/03/2001	FMETL	4.83								V,S,P,M
02/08/2002	FMETL	5.25								V,S,P,M
06/13/2002	FMETL	4.76								V,S,P,M
08/23/2002	FMETL	5.55								V,S,P,M
11/07/2002	FMETL	4.72								V,S,P,M
03/07/2003	FMETL	3.28								V,S,P,M
05/15/2003	FMETL	3.32								V,S,P,M
08/21/2003	FMETL	3.44								V,S,P,M
10/22/2003	FMETL	3.95								V,S,P,M
01/22/2004	FMETL	3.45								NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 01/22/2004

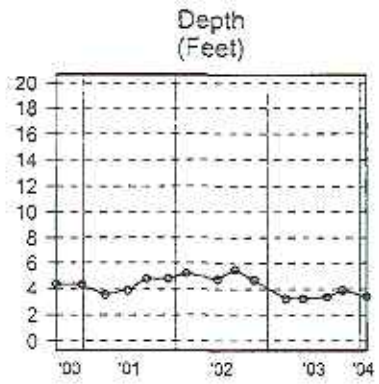
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

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



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

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

03-01-2004 \\Gar045\ENVR_Data\Mech Data\812\812 WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 01/22/2004

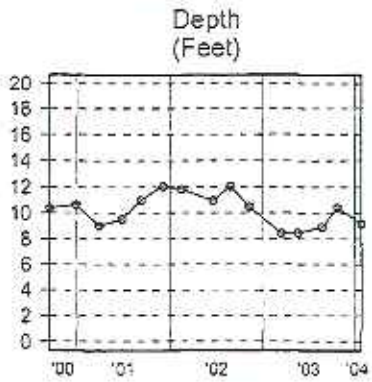
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

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



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Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

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

03-01-2004 \\Gar045\ENVR_Data\Mtech Data\812\812.WSF

	Lab	2-But anone	Depth							Notes
Units:	-	ug/l	Feet							-
NJDEP Criteria:	-	300	-							-
09/14/2000	FMETL	ND	8.65							V,S,P,M
09/14/2000D	FMETL	ND	8.65							V,S,P,M
12/27/2000	FMETL	5.79	8.87							V,S,P,M
03/23/2001	FMETL	ND	8.27							V,S,P,M
06/22/2001	FMETL	ND	8.46							V,S,P,M
06/22/2001D	FMETL	ND	8.46							V,S,P,M
09/07/2001	FMETL	ND	8.85							V,S,P,M
09/07/2001	FMETL	ND	8.85							V,S,P,M
12/03/2001	FMETL	ND	9.18							V,S,P,M
02/08/2002	FMETL	ND	9.15							V,S,P,M
06/13/2002	FMETL	ND	8.74							V,S,P,M
08/23/2002	FMETL	ND	9.09							V,S,P,M
11/07/2002	FMETL	ND	8.14							V,S,P,M
02/21/2003	FMETL	ND	8.45							V,S,P,M
05/15/2003	FMETL	ND	8.03							V,S,P,M
08/21/2003	FMETL	ND	7.98							V,S,P,M
10/22/2003	FMETL	ND	8.38							V,S,P,M
01/22/2004	FMETL	ND	7.92							V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/22/2004

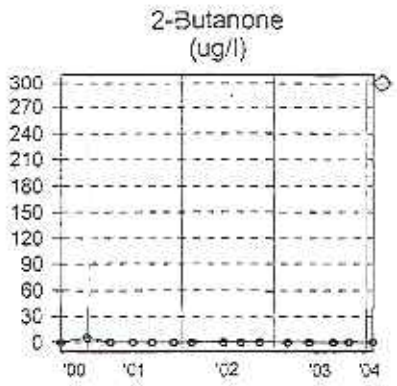
NOTES:

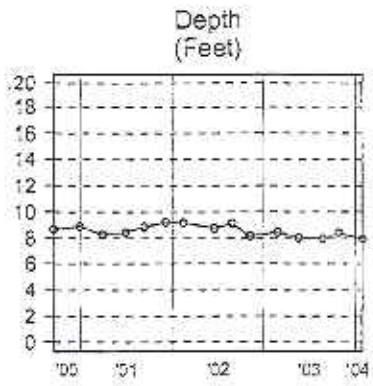
FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 6 of 14

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





SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/22/2004

LEGEND:

PARAMETER

o = Data Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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

03-01-2004 !!Gan045\ENVR_Data\Mach Data\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4028004	0812MW01	29-42572	04/22/04
4028005	0812MW02	29-42573	04/22/04
Not Sampled	0812MW03	29-42574	----------
4028006	0812MW04	29-42575	04/22/04
4028007	0812MW05	29-42576	04/22/04
4028008	0812MW06	29-42577	04/22/04
4028009	0812MW07	29-42578	04/22/04
4028010	0812MW08	29-42579	04/22/04
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
4028011	0812MW14	29-42888	04/22/04

NJDEP Laboratory Certification # 13461

6-15-04

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 #: 126223
(X) DERA ( )OMA ( )Other:

Project No:
Location: 812 wells
2nd Qtr '04

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCL/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTRS							Hand Read	Remarks / Preservation Method
40280 01	Trip	4/22/04	0853	AQ	2	✓							—	
02	Field Blank		0925		2	✓							—	
03	Dupe		—		2	✓							—	
04	812 mw01		1121		2	✓							0.0	29-42572
05	812 mw02		1025			✓							0.0	29-42573
06	812 mw04 *		1029			✓							0.0	29-42575
07	812 mw05		1313			✓							0.0	29-42576
08	812 mw06		1105			✓							0.0	29-42577
09	812 mw07		1319			✓							0.0	29-42578
10	812 mw08		1118			✓							0.0	29-42579
11	812 mw14		1038			✓							0.0	29-42888
													Only DTW @ mw 3,9,10,11,12,13	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	4/22/04 1405	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: ( )Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: N/A

LTM Depth to Water

Location: 812
Date: 04/22/04

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
0812MW01	29-42572	48.62	4	7.2
0812MW02	29-42573	47.91	4	3.1
0812MW03	29-42574	46.81	4	5.51
0812MW04	29-42575	6.62	4	2.2
0812MW05	29-42576	17.59	4	9.48
0812MW06	29-42577	15	4	6.22
0812MW07	29-42578	17.31	4	7.88
0812MW08	29-42579	15.26	4	5.75
0812MW09	29-42580	15.6	4	9.11
0812MW10	29-42581	15.31	4	6.3
0812MW11	29-42582	14.55	4	4.75
0812MW12	29-42583	15.31	4	3.49
0812MW13	29-42584	18.55	4	8.2
0812MW14	29-42888	14.65	4	7.26

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.20 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.42 ft
(41.42) X .65 X 3 =80.76
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.81 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:35
pH 6.84 su — TEMP 14.64 °C
DISSOLVED O_2 1.59 mg/L — SPECIFIC CONDUCTIVITY 837.0 µs/cm

PURGE END TIME: 11:20
pH 7.02 su — TEMP 14.57 °C
DISSOLVED O_2 0.26 mg/L — SPECIFIC CONDUCTIVITY 847.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 11:21
pH 7.02 su — TEMP 14.57 °C
DISSOLVED O_2 0.26 mg/L — SPECIFIC CONDUCTIVITY 847.0 µs/cm

SAMPLE END TIME: 11:23

COMMENTS: Slightly yellow color, cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.10 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 44.81 ft
(44.81) X .65 X 3 = 87.37
GALLONS OF H_2O TO BE PURGED: 87 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 2.00 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:40
pH 6.33 su — TEMP 16.08 °C
DISSOLVED O_2 2.50 mg/L — SPECIFIC CONDUCTIVITY 909.0 µs/cm

PURGE END TIME: 10:24
pH 6.67 su — TEMP 15.45 °C
DISSOLVED O_2 1.33 mg/L — SPECIFIC CONDUCTIVITY 872.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.42 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 87 gal

SAMPLE START TIME: 10:25
pH 6.65 su — TEMP 15.44 °C
DISSOLVED O_2 1.30 mg/L — SPECIFIC CONDUCTIVITY 870.0 µs/cm

SAMPLE END TIME: 10:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.20 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.42 ft
(4.42) X .65 X 3 = 8.61
GALLONS OF H_2O TO BE PURGED: 9 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:45
pH 5.21 su — TEMP 14.97 °C
DISSOLVED O_2 2.71 mg/L — SPECIFIC CONDUCTIVITY 976.0 µs/cm

PURGE END TIME: 10:24
pH 5.07 su — TEMP 14.53 °C
DISSOLVED O_2 0.97 mg/L — SPECIFIC CONDUCTIVITY 976.7 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.30 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 9 gal

SAMPLE START TIME: 10:29
pH 5.06 su — TEMP 14.51 °C
DISSOLVED O_2 0.95 mg/L — SPECIFIC CONDUCTIVITY 976.6 µs/cm

SAMPLE END TIME: 10:32

COMMENTS: Large draw down. Cloudy and yellow.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.48 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.11 ft
(8.11) X .65 X 3 =15.81
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:03
pH 5.76 su — TEMP 15.90 °C
DISSOLVED O_2 2.76 mg/l. — PECIFIC CONDUCTIVITY 987.0 µs/cm

PURGE END TIME: 13:12
pH 5.41 su — TEMP 14.21 °C
DISSOLVED O_2 1.39 mg/L — SPECIFIC CONDUCTIVITY 963.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.14 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 13:13
pH 5.40 su — TEMP 14.19 °C
DISSOLVED O_2 1.40 mg/L — SPECIFIC CONDUCTIVITY 962.0 µs/cm

SAMPLE END TIME: 13:15

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.22 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.78 ft
(8.78) X .65 X 3 =17.12
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:50
pH 5.30 su
DISSOLVED O_2 2.19 mg/L
TEMP 15.05 °C
PECIFIC CONDUCTIVITY 1150 µs/cm

PURGE END TIME: 11:04
pH 4.60 su
DISSOLVED O_2 1.36 mg/L
TEMP 12.61 °C
SPECIFIC CONDUCTIVITY 1159.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.49 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:05
pH 4.61 su
DISSOLVED O_2 1.35 mg/L
TEMP 12.57 °C
SPECIFIC CONDUCTIVITY 1160.0 µs/cm

SAMPLE END TIME: 11:07

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.88 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.43 ft
(9.43) X .65 X 3 =18.38
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:00
pH 5.79 su — TEMP 14.39 °C
DISSOLVED O_2 1.97 mg/L — SPECIFIC CONDUCTIVITY 769.0 µs/cm

PURGE END TIME: 13:18
pH 5.37 su — TEMP 13.72 °C
DISSOLVED O_2 1.03 mg/L — SPECIFIC CONDUCTIVITY 791.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.84 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 13:19
pH 5.35 su — TEMP 13.71 °C
DISSOLVED O_2 1.00 mg/L — SPECIFIC CONDUCTIVITY 793.0 µs/cm

SAMPLE END TIME: 13:21

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.75 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.51 ft
(9.51) X .65 X 3 =18.54
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:55
pH 4.43 su — TEMP 13.73 °C
DISSOLVED O_2 2.80 mg/L — SPECIFIC CONDUCTIVITY 1443.0 µs/cm

PURGE END TIME: 11:17
pH 4.40 su — TEMP 13.73 °C
DISSOLVED O_2 1.28 mg/L — SPECIFIC CONDUCTIVITY 1441.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.25 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:18
pH 4.40 su — TEMP 13.73 °C
DISSOLVED O_2 1.27 mg/L — SPECIFIC CONDUCTIVITY 1442.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/22/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.20 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.39 ft
(7.39) X .65 X 3 =14.41
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30
pH 6.03 su — TEMP 15.77 °C
DISSOLVED O_2 2.71 mg/L — SPECIFIC CONDUCTIVITY 2432.0 µs/cm

PURGE END TIME: 10:31
pH 5.65 su — TEMP 13.79 °C
DISSOLVED O_2 1.42 mg/L — SPECIFIC CONDUCTIVITY 4247.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.50 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:38
pH 5.64 su — TEMP 13.76 °C
DISSOLVED O_2 1.40 mg/L — SPECIFIC CONDUCTIVITY 4247.0 µs/cm

SAMPLE END TIME: 10:41

COMMENTS: Slightly cloudy. Low draw down.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB016348.D	Sample Name	MB 03May04
Operator	Skelton	Field ID	MB 03May04
Date Acquired	3 May 2004 8:03 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	30	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	11.99	45256	4.09 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9.6.2 Sept 97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

MB 05May05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 05May04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016390.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016390.D	Sample Name	MB 05May04
Operator	Skelton	Field ID	MB 05May04
Date Acquired	5 May 2004 3:55 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level(ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Diisopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.11	66429	9.63 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 03May04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 03May04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016348.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/3/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016362.D	Sample Name	4028001
Operator	Skelton	Field ID	Trip Blank
Date Acquired	4 May 2004 4:48 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	n/e	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	n/e	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	n/e	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	n/e	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	n/e	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	300	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	n/e	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	n/e	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.68	76201	1.48 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	n/e	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	n/e	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	n/e	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	n/e	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	n/e	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	n/e	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2.5(c)1-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
RL = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016362.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	V1016363.D	Sample Name	4028002
Operator	Skelton	Field ID	Field Blank
Date Acquired	4 May 2004 5:25 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Diisopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.68	73883	1.46 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Field Blank

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016363.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016364.D	Sample Name	4028003
Operator	Skelton	Field ID	Dupe
Date Acquired	4 May 2004 6:03 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	11.93	87266	6.17 ug/L	700	0.40 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2 Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Dupe

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016364.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016365.D	Sample Name	4028004
Operator	Skelton	Field ID	812MW01
Date Acquired	4 May 2004 6:40 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	n/e	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	n/e	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	n/e	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	n/e	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	n/e	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	n/e	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	n/e	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	n/e	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	n/e	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	n/e	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	n/e	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	n/e	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	n/e	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.23 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and General Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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6/10/2004 1:31 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW01

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016365.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016366.D	Sample Name	4028005
Operator	Skelton	Field ID	812MW02
Date Acquired	4 May 2004 7:17 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW02

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016366.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VI016374.D	Sample Name	4028006
Operator	Skelton	Field ID	812MW04
Date Acquired	4 May 2004 3:21 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	30	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.15	51049	4.01 ug/L	700	0.40 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	3	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept.'93

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016374.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 8

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	22.06	11	JN
2. 006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimet	23.57	4	JN
3. 006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimet	24.45	5	JN
4. 017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimet	25.11	5	JN
5. 000275-51-4	Azulene	27.15	44	JN
6.	unknown	29.31	13	J
7. 018321-36-3	Benzene, (1,1-dimethyl-2-propen	30.22	4	JN
8. 002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5	30.88	8	JN

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

Data File	VB016391.D	Sample Name	4028007
Operator	Skelton	Field ID	812MW05
Date Acquired	5 May 2004 4:32 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	11.95	873921	133.13 ug/L	700	0.40 ug/L	2.00 ug/L	E B
75-15-0	Carbon Disulfide	9.56	272495	5.69 ug/L	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.27	311340	12.38 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.58	324578	64.62 ug/L	300	0.28 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.21	957561	32.95 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride	17.21	123460	4.69 ug/L	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.48	16726	0.70 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB016396.D	Sample Name	4028007
Operator	Skelton	Field ID	812MWDS
Date Acquired	6 May 2004 8:25 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	2.90 ug/L	20.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone	12.12	174892	293.94 ug/L	700	4.00 ug/L	20.00 ug/L	D B
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	50551	22.18 ug/L	70	3.50 ug/L	20.00 ug/L	D
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone	17.64	56222	123.50 ug/L	300	2.80 ug/L	20.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.21	129569	49.18 ug/L	30	2.90 ug/L	20.00 ug/L	D
56-23-5	Carbon Tetrachloride	17.21	16295	6.83 ug/L	2	2.70 ug/L	20.00 ug/L	D
71-43-2	Benzene			not detected	1	3.00 ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	3.40 ug/L	20.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.00 ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	6.30 ug/L	40.00 ug/L	
95-47-6	o-Xylene			not detected	nle	2.90 ug/L	20.00 ug/L	
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-93

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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6/10/2004 1:41 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016391.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000075-18-3	Dimethyl sulfide	10.16	5	JN

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

Data File	VB016392.D	Sample Name	4028008
Operator	Skelton	Field ID	812MW06
Date Acquired	5 May 2004 5:10 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2 Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW06

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016392.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016393.D	Sample Name	4028009
Operator	Skelton	Field ID	812MW07
Date Acquired	5 May 2004 5:47 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.01	205956	31.58 ug/L	700	0.40 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.28	26387	1.06 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.60	127423	25.54 ug/L	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.21	26377	0.91 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW07

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016393.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016394.D	Sample Name	4028010
Operator	Skelton	Field ID	812MW08
Date Acquired	5 May 2004 6:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	1	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW08

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016394.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/5/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB016395.D	Sample Name	4028011
Operator	Skelton	Field ID	812MW14
Date Acquired	6 May 2004 7:48 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sep-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40280 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4028011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016395.D

Level: (low/med) LOW Date Received: 4/22/2004

% Moisture: not dec. Date Analyzed: 5/6/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

	Lab	2-But anone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/09/2000	FMETL	ND	8.97								V,S,P,M
09/09/2000D	FMETL	ND	8.97								V,S,P,M
12/27/2000	FMETL	ND	8.94								V,S,P,M
03/16/2001	FMETL	ND	8.46								V,S,P,M
06/21/2001	FMETL	ND	8.54								V,S,P,M
06/21/2001D	FMETL	ND	8.54								V,S,P,M
08/27/2001	FMETL	ND	9.16								V,S,P,M
11/27/2001	FMETL	ND	9.73								V,S,P,M
02/06/2002	FMETL	ND	9.44								V,S,P,M
06/28/2002	FMETL	ND	9.15								V,S,P,M
08/28/2002	FMETL	ND	10.03								V,S,P,M
11/14/2002	FMETL	ND	8.88								V,S,P,M
03/14/2003	FMETL	5.26	8.26								V,S,P,M
05/15/2003	FMETL	ND	7.57								V,S,P,M
08/20/2003	FMETL	ND	7.80								V,S,P,M
10/20/2003	FMETL	ND	8.52								V,S,P,M
01/22/2004	FMETL	ND	8.21								V
04/22/2004	FMETL	ND	7.2								V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/22/2004

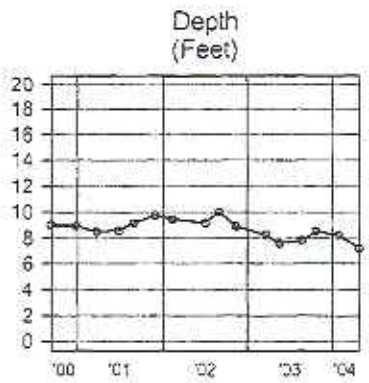
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

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



SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 897

Source 12 of 14, Graph

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

06-15-2004 X:\MechData\812\812.WSF

	Lab	Carbon Di sulfide	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/09/2000	FMETL	4.27	6.67								V,S,P,M
12/27/2000	FMETL	ND	6.93								V,S,P,M
03/16/2001	FMETL	ND	6.06								V,S,P,M
06/21/2001	FMETL	ND	5.96								V,S,P,M
08/27/2001	FMETL	ND	6.87								V,S,P,M
11/27/2001	FMETL	ND	7.95								V,S,P,M
02/06/2002	FMETL	ND	8.25								V,S,P,M
06/28/2002	FMETL	ND	8.66								V,S,P,M
08/28/2002	FMETL	ND	7.67								V,S,P,M
11/14/2002	FMETL	ND	6.67								V,S,P,M
03/14/2003	FMETL	ND	5.54								V,S,P,M
05/15/2003	FMETL	ND	6.43								V,S,P,M
08/20/2003	FMETL	ND	6.03								V,S,P,M
10/20/2003	FMETL	ND	6.14								V,S,P,M
01/22/2004	FMETL	ND	5.76								V
04/22/2004	FMETL	ND	3.1								V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/22/2004

NOTES:

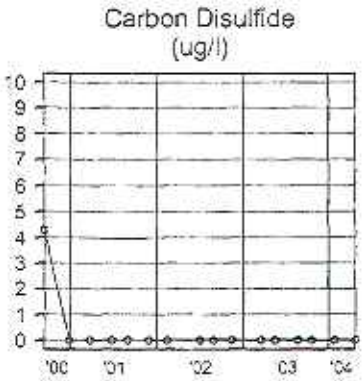
FORT MONMOUTH

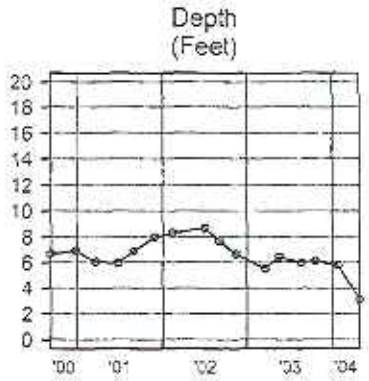
GW MONITORING
M-8 Bldg 697

Source 13 of 14

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

06-16-2004 X:\Mtech Data\812\812.WSF





SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14 Graph

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FORT MONMOUTH
SELFM-PW-EV

05-15-2004 X:\MechData\812\812.WSF

	Lab	2-Butanone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/09/2000	FMETL	ND	6.61								V,S,P,M
12/27/2000	FMETL	6.95	6.86								V,S,P,M
03/16/2001	FMETL	ND	5.95								V,S,P,M
03/16/2001D	FMETL	ND	5.95								V,S,P,M
06/21/2001	FMETL	ND	5.85								V,S,P,M
08/27/2001	FMETL	ND	6.66								V,S,P,M
08/27/2001D	FMETL	ND	6.66								V,S,P,M
11/27/2001	FMETL	ND	7.69								V,S,P,M
02/06/2002	FMETL	ND	7.29								V,S,P,M
06/28/2002	FMETL	ND	7.07								V,S,P,M
08/26/2002	FMETL	ND	7.50								V,S,P,M
11/14/2002	FMETL	ND	6.43								V,S,P,M
03/14/2003	FMETL	ND	5.25								V,S,P,M
05/15/2003	FMETL	ND	5.50								V,S,P,M
08/20/2003	FMETL	ND	5.57								V,S,P,M
10/20/2003	FMETL	ND	6.31								V,S,P,M
01/22/2004	FMETL	-	6.32								NS
04/22/2004	FMETL	-	5.51								NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

Source 14 of 14

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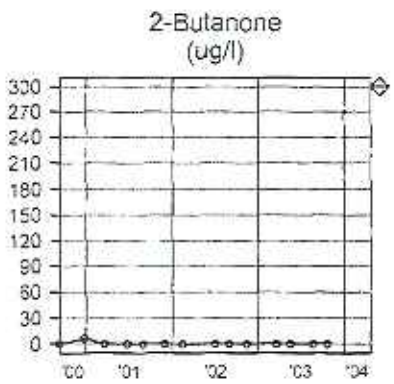
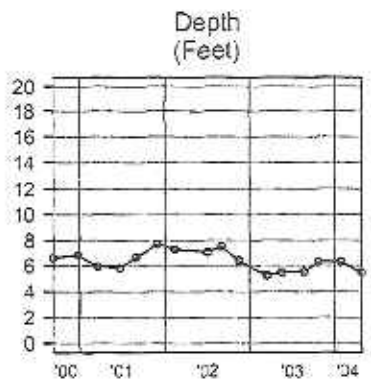
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

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

09-15-2004 X:\MechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	4-Methyl-2-Pent anone	Toluene	Ethyl benzene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	5	100	10	1	400	1000	700	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.56	ND	42.06	136.41	4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.81	406.83	4.17	60.72	40.08	72.16	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	5.72	8.06	20.46	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	ND	3.47	8.70	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	ND	98.01	67.47	126.76	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	60.82	125.92	3.51	ND	29.94	53.78	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	144.23	58.02	98.1	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	155.9	509.66	8.04	142.98	70.94	182.38	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	86.52	51.32	94.11	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.76	ND	ND	1.12	1.24	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	2.67	16.67	38.58	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	6.38	37.35	ND	ND	6.03	9.01	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	ND	4.37	9.55	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	0.36	1.02	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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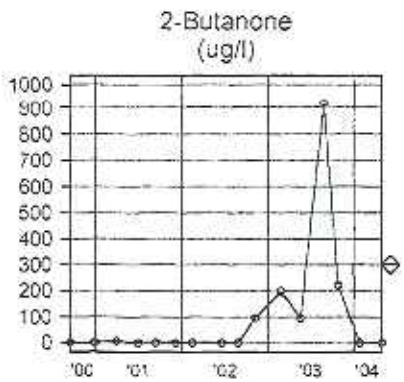

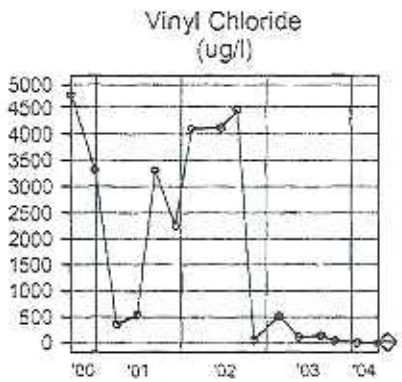

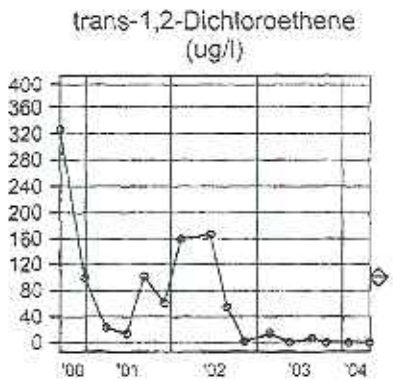

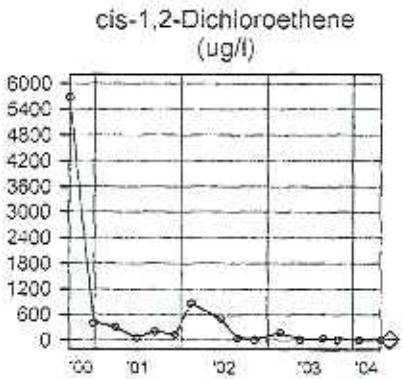

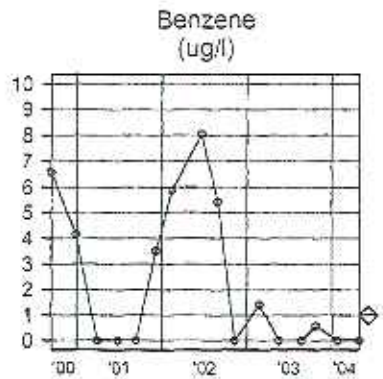

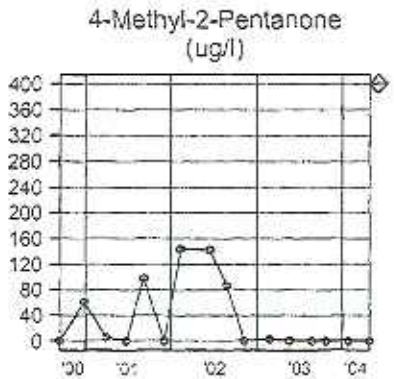

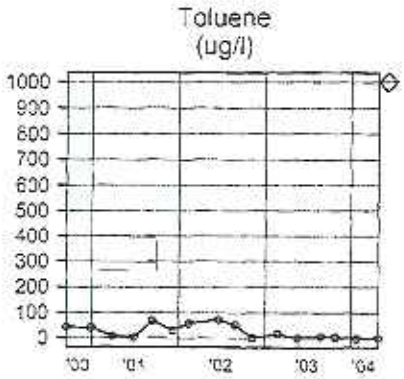

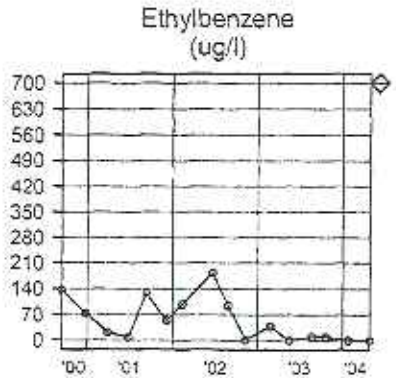

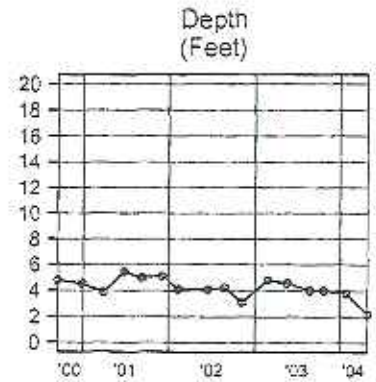

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
SELFM-PW-EV

06-15-2004 X:\Mech Data\812\812.WSF

	Lab	2-But anone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/14/2000	FMETL	ND	9.83								V,S,P,M
12/27/2000	FMETL	ND	10.12								V,S,P,M
03/23/2001	FMETL	ND	8.83								V,S,P,M
03/23/2001D	FMETL	ND	8.83								V,S,P,M
06/22/2001	FMETL	ND	9.54								V,S,P,M
09/07/2001	FMETL	ND	10.38								V,S,P,M
12/03/2001	FMETL	ND	11.16								V,S,P,M
02/08/2002	FMETL	ND	10.87								V,S,P,M
06/13/2002	FMETL	ND	10.25								V,S,P,M
08/23/2002	FMETL	ND	11.13								V,S,P,M
11/07/2002	FMETL	ND	9.85								V,S,P,M
03/07/2003	FMETL	5.90	8.17								V,S,P,M
05/15/2003	FMETL	ND	8.40								V,S,P,M
08/21/2003	FMETL	ND	8.85								V,S,P,M
10/22/2003	FMETL	ND	9.75								V,S,P,M
01/22/2004	FMETL	140.15	8.78								V
04/22/2004	FMETL	123.5	9.48								V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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FORT MONMOUTH
SELFM-PW-EV

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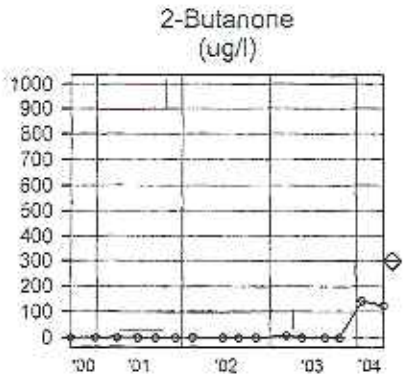

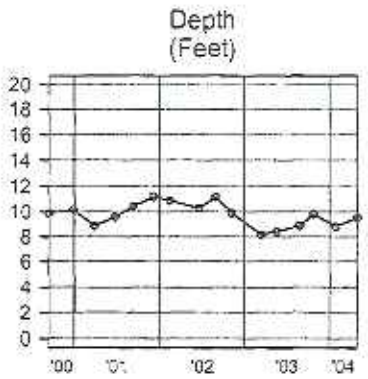

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
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06-16-2004 X:\MeanData\812\812.WSF

	Lab	Carbon Di sulfide	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/14/2000	FMETL	ND	7.83								V,S,P,M
12/27/2000	FMETL	ND	7.98								V,S,P,M
03/23/2001	FMETL	ND	6.99								V,S,P,M
06/22/2001	FMETL	ND	7.45								V,S,P,M
09/07/2001	FMETL	ND	8.37								V,S,P,M
12/03/2001	FMETL	ND	8.75								V,S,P,M
12/03/2001D	FMETL	ND	8.75								V,S,P,M
02/08/2002	FMETL	ND	8.46								V,S,P,M
06/13/2002	FMETL	ND	7.98								V,S,P,M
08/23/2002	FMETL	ND	8.72								V,S,P,M
11/07/2002	FMETL	ND	7.65								V,S,P,M
03/07/2003	FMETL	ND	6.44								V,S,P,M
05/15/2003	FMETL	ND	6.38								V,S,P,M
08/21/2003	FMETL	ND	6.99								V,S,P,M
10/22/2003	FMETL	ND	7.56								V,S,P,M
01/22/2004	FMETL	ND	6.94								V
04/22/2004	FMETL	ND	6.22								V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

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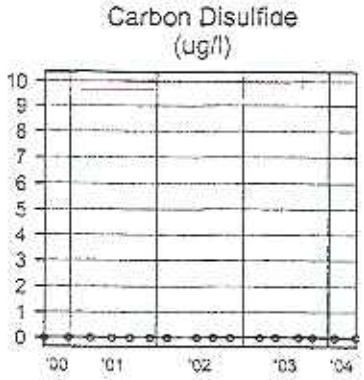
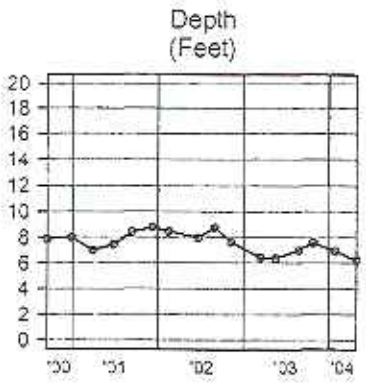
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

06-15-2004 X:\MtechData\812\812.WSF





SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

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

	Lab	2-But anone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Depth						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria	-	300	NLE	30	-						-
09/14/2000	FMETL	ND	ND	11.29	11.19						V,S,P,M
12/27/2000	FMETL	ND	ND	2.91	11.22						V,S,P,M
03/23/2001	FMETL	ND	ND	4.49	10.47						V,S,P,M
06/22/2001	FMETL	ND	ND	3.24	10.80						V,S,P,M
09/07/2001	FMETL	ND	ND	ND	11.33						V,S,P,M
12/03/2001	FMETL	ND	5.85	ND	11.96						V,S,P,M
02/08/2002	FMETL	ND	ND	ND	11.70						V,S,P,M
06/13/2002	FMETL	ND	ND	18.81	11.17						V,S,P,M
08/23/2002	FMETL	ND	ND	11.38	11.80						V,S,P,M
11/07/2002	FMETL	ND	ND	5.26	10.83						V,S,P,M
03/07/2003	FMETL	6.21	8.27	12.84	9.76						V,S,P,M
05/15/2003	FMETL	198.04	17.95	2.37	10.02						V,S,P,M
08/21/2003	FMETL	ND	ND	15.54	10.16						V,S,P,M
10/22/2003	FMETL	ND	ND	1.44	10.75						V,S,P,M
01/22/2004	FMETL	220.85	ND	1.12	11.11						V
04/22/2004	FMETL	25.54	ND	0.91	7.88						V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/22/2004

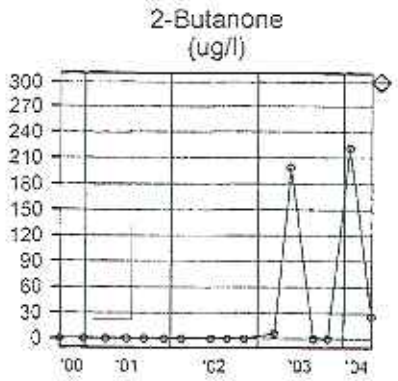
NOTES:

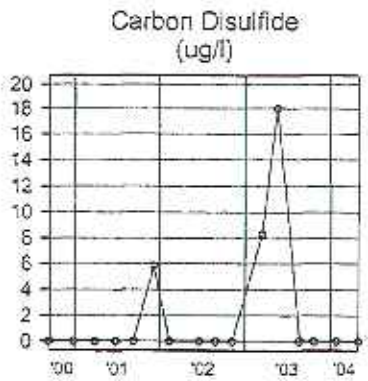
FORT MONMOUTH

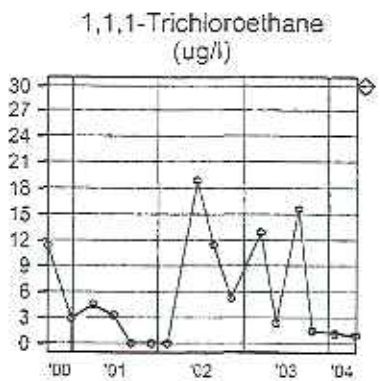
GW MONITORING
M-8 Bldg 697

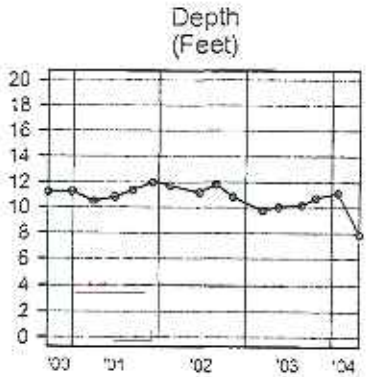
Source 7 of 14

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









SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

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

	Lab	2-But anone	Depth								Notes
Units	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/14/2000	FMETL	ND	7.23								V,S,P,M
12/27/2000	FMETL	ND	7.32								V,S,P,M
03/23/2001	FMETL	ND	6.56								V,S,P,M
06/22/2001	FMETL	ND	6.90								V,S,P,M
09/07/2001	FMETL	ND	7.52								V,S,P,M
12/03/2001	FMETL	ND	8.07								V,S,P,M
02/08/2002	FMETL	ND	7.82								V,S,P,M
06/13/2002	FMETL	ND	7.36								V,S,P,M
08/23/2002	FMETL	ND	8.03								V,S,P,M
11/07/2002	FMETL	ND	6.87								V,S,P,M
02/21/2003	FMETL	ND	6.68								V,S,P,M
05/15/2003	FMETL	ND	6.20								V,S,P,M
08/21/2003	FMETL	ND	6.35								V,S,P,M
10/22/2003	FMETL	3.85	6.56								V,S,P,M
01/22/2004	FMETL	10.02	6.35								V
04/22/2004	FMETL	ND	5.75								V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14

U.S.ARMY
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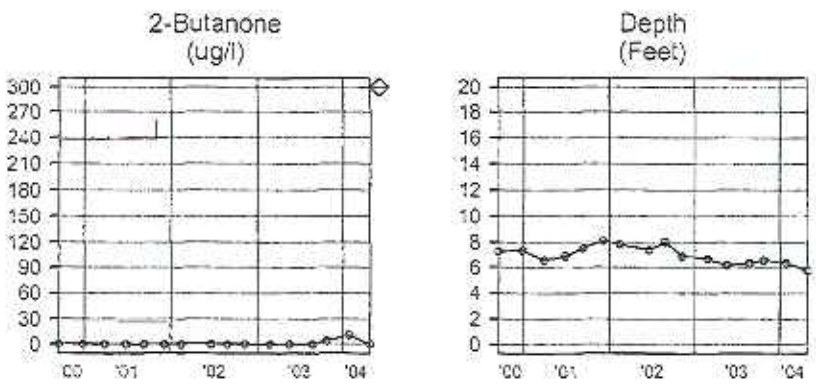
SELFM-PW-EV



SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 8 of 14. Graph

U.S.ARMY
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SELFM-PW-EV

06-15-2004 X:\MechData\812\812.WSF

	Lab	Trichloro fluoro methane	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/14/2000	FMETL	ND	6.08								V,S,P,M
12/27/2000	FMETL	1.36	6.31								V,S,P,M
03/23/2001	FMETL	3.89	5.90								V,S,P,M
06/22/2001	FMETL	ND	6.21								V,S,P,M
09/07/2001	FMETL	ND	6.57								V,S,P,M
12/03/2001	FMETL	ND	7.05								V,S,P,M
02/08/2002	FMETL	ND	6.85								V,S,P,M
06/13/2002	FMETL	ND	6.49								V,S,P,M
08/23/2002	FMETL	ND	6.83								V,S,P,M
11/07/2002	FMETL	ND	5.84								V,S,P,M
02/21/2003	FMETL	ND	6.00								V,S,P,M
05/15/2003	FMETL	ND	5.59								V,S,P,M
08/21/2003	FMETL	ND	5.55								V,S,P,M
10/22/2003	FMETL	ND	6.08								V,S,P,M
01/22/2004	FMETL	-	5.77								NS
04/22/2004	FMETL	-	9.11								NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
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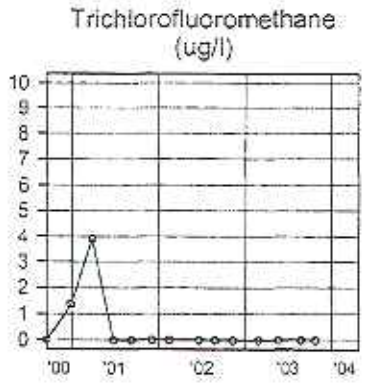
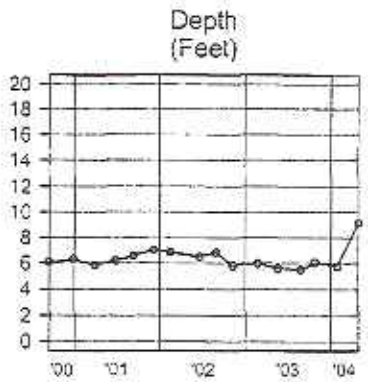
Source 5 of 14

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





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Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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

06-15-2004 X:\MechData\812\812.WSF

	Lab	Trichloro fluoro methane	2-But anone	Depth							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	NLE	300	-							-
09/14/2000	FMETL	ND	ND	7.19							V,S,P,M
12/27/2000	FMETL	ND	5.25	7.45							V,S,P,M
03/23/2001	FMETL	1.81	ND	6.95							V,S,P,M
06/22/2001	FMETL	2.86	ND	7.04							V,S,P,M
09/07/2001	FMETL	4.17	ND	7.32							V,S,P,M
12/03/2001	FMETL	5.72	ND	7.68							V,S,P,M
02/08/2002	FMETL	6.26	ND	7.63							V,S,P,M
06/13/2002	FMETL	2.90	ND	7.25							V,S,P,M
08/23/2002	FMETL	ND	ND	7.51							V,S,P,M
11/07/2002	FMETL	ND	ND	7.03							V,S,P,M
02/21/2003	FMETL	1.01	ND	7.36							V,S,P,M
05/15/2003	FMETL	ND	ND	6.87							V,S,P,M
08/21/2003	FMETL	ND	ND	6.71							V,S,P,M
10/22/2003	FMETL	ND	ND	6.91							V,S,P,M
01/22/2004	FMETL	-	-	6.89							NS
04/22/2004	FMETL	-	-	6.3							NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/22/2004

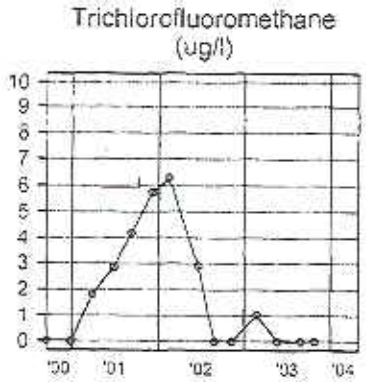
NOTES:

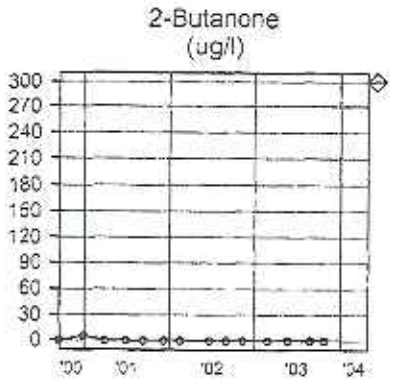
FORT MONMOUTH

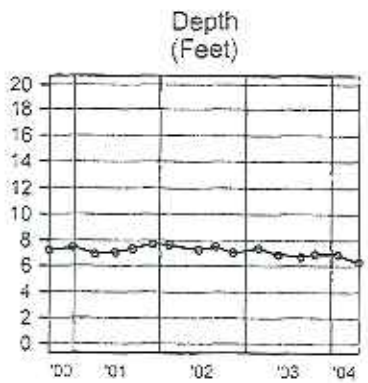
GW MONITORING
M-8 Bldg 697

Source 2 of 14

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







SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

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

06-15-2004 K:\ItechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/06/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/22/2004

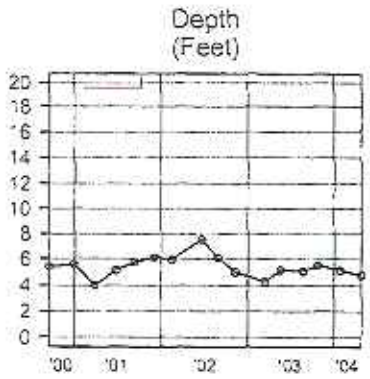
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

Source 1 of 14

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



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

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

05-13-2004 XnMtech Data\812\812.WSF

	Lab	2-But anone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/14/2000	FMETL	ND	4.42								V,S,P,M
12/27/2000	FMETL	7.84	4.39								V,S,P,M
12/27/2000D	FMETL	ND	4.39								V,S,P,M
03/23/2001	FMETL	ND	3.57								V,S,P,M
06/22/2001	FMETL	ND	3.93								V,S,P,M
09/07/2001	FMETL	ND	4.82								V,S,P,M
12/03/2001	FMETL	ND	4.83								V,S,P,M
02/08/2002	FMETL	ND	5.25								V,S,P,M
06/13/2002	FMETL	ND	4.76								V,S,P,M
08/23/2002	FMETL	ND	5.55								V,S,P,M
11/07/2002	FMETL	ND	4.72								V,S,P,M
03/07/2003	FMETL	ND	3.28								V,S,P,M
05/15/2003	FMETL	ND	3.32								V,S,P,M
08/21/2003	FMETL	ND	3.44								V,S,P,M
10/22/2003	FMETL	ND	3.95								V,S,P,M
01/22/2004	FMETL	-	3.45								NS
04/22/2004	FMETL	-	3.49								NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/22/2004

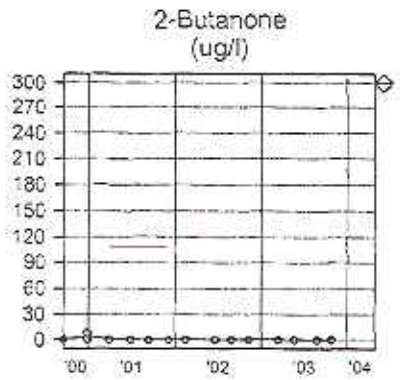
NOTES:

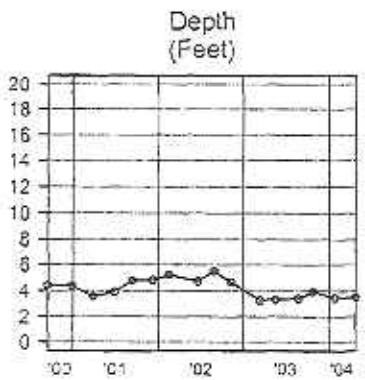
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

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





SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

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

06-15-2004 K:\MechData\812\812.WS#

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/06/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 9 of 14

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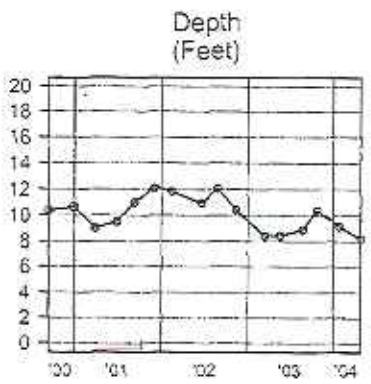
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

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

05/15/2004 X:\MechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	8.55									V,S,P,M
09/14/2000D	FMETL	8.65									V,S,P,M
12/27/2000	FMETL	8.87									V,S,P,M
03/23/2001	FMETL	8.27									V,S,P,M
06/22/2001	FMETL	8.46									V,S,P,M
06/22/2001D	FMETL	8.46									V,S,P,M
09/07/2001	FMETL	8.85									V,S,P,M
09/07/2001	FMETL	8.85									V,S,P,M
12/03/2001	FMETL	9.18									V,S,P,M
02/08/2002	FMETL	9.15									V,S,P,M
06/13/2002	FMETL	8.74									V,S,P,M
08/23/2002	FMETL	9.09									V,S,P,M
11/07/2002	FMETL	8.14									V,S,P,M
02/21/2003	FMETL	8.45									V,S,P,M
05/15/2003	FMETL	8.03									V,S,P,M
08/21/2003	FMETL	7.98									V,S,P,M
10/22/2003	FMETL	8.38									V,S,P,M
01/22/2004	FMETL	7.92									V
04/22/2004	FMETL	7.26									V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/22/2004

NOTES:

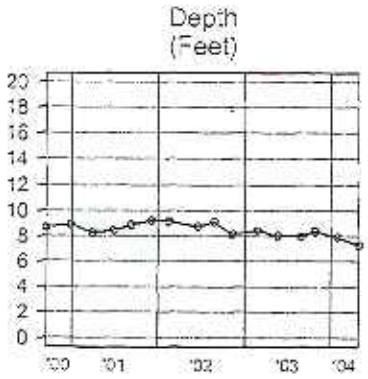
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

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

06-15-2004 X:\MtechData\812\812.WSF



SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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

06-15-2004 X:\MechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4052004	0812MW01	29-42572	07/14/04
4052005	0812MW02	29-42573	07/14/04
4052006	0812MW04	29-42575	07/14/04
4052007	0812MW05	29-42576	07/14/04
4052008	0812MW06	29-42577	07/14/04
4052009	0812MW07	29-42578	07/14/04
4052010	0812MW08	29-42579	07/14/04
4052011	0812MW14	29-42888	07/14/04

NJDEP Laboratory Certification # 13461

8-4-04

Daniel Wright Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608

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. FALON
Phone #: 732-532-3
( )DERA ( )OMA ( )Other:
Project No:
Location: 812 wells
3rd Qtr '04
Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOC +15 (Hanford)

Comments: HCl/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOC +15							Hanford	Remarks / Preservation Method
40520 01	Trip	7/14/04	0715	AQ	2	✓							–	
02	Field Blank		0820		2	✓							–	
03	Dupe		—		2	✓							–	
04	812 mw01		0911		2	✓							0.0	29-42572
05	812 mw02		1004			✓							0.0	29-42573
06	812 mw04 *		0921			✓							2.5	29-42575
07	812 mw05		1246			✓							0.0	29-42576
08	812 mw06		0945			✓							0.0	29-42577
09	812 mw07		1239			✓							0.0	29-42578
10	812 mw08		0959			✓							0.0	29-42579
11	812 mw14		1109			✓							0.0	29-42888
	OTW All other wells, see chart.													

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	7/14/04 730	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: N/A

COC.XLS4/29/2

LTM Depth to Water

Location: 812
Date: 07/14/04

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
0812MW01	29-42572	48.62	4	7.85
0812MW02	29-42573	47.91	4	6.27
0812MW03	29-42574	46.81	4	6.31
0812MW04	29-42575	6.62	4	2.81
0812MW05	29-42576	17.59	4	8.89
0812MW06	29-42577	15	4	6.82
0812MW07	29-42578	17.31	4	9.9
0812MW08	29-42579	15.26	4	6.24
0812MW09	29-42580	15.6	4	8.89
0812MW10	29-42581	15.31	4	5.93
0812MW11	29-42582	14.55	4	4.3
0812MW12	29-42583	15.31	4	3.17
0812MW13	29-42584	18.55	4	7.63
0812MW14	29-42888	14.65	4	7.51

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.85 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.77 ft
(40.77) X .65 X 3 =79.50
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.81 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 6.71 su — TEMP 15.71 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 917.0 µs/cm

PURGE END TIME: 09:10
pH 6.91 su — TEMP 14.67 °C
DISSOLVED O_2 1.39 mg/L — SPECIFIC CONDUCTIVITY 821.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.46 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 09:11
pH 6.92 su — TEMP 14.68 °C
DISSOLVED O_2 1.36 mg/L — SPECIFIC CONDUCTIVITY 820.0 µs/cm

SAMPLE END TIME: 09:12

COMMENTS: Large draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.27 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.64 ft
(41.64) X .65 X 3 = 81.19
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 2.00 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20
pH 6.57 su — TEMP 16.31 °C
DISSOLVED O_2 2.63 mg/L — SPECIFIC CONDUCTIVITY 1000.0 µs/cm

PURGE END TIME: 10:03
pH 6.73 su — TEMP 15.91 °C
DISSOLVED O_2 1.17 mg/L — SPECIFIC CONDUCTIVITY 891.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 10.04
pH 6.74 su — TEMP 15.87 °C
DISSOLVED O_2 1.16 mg/L — SPECIFIC CONDUCTIVITY 888.0 µs/cm

SAMPLE END TIME: 10:05

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.81 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.81 ft
(3.81) X .65 X 3 = 7.42
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 2.5 ppm

PURGE START TIME: 08:50
pH 5.37 su — TEMP 15.93 °C
DISSOLVED O_2 2.83 mg/L — SPECIFIC CONDUCTIVITY 1004.0 µs/cm

PURGE END TIME: 09:20
pH 5.20 su — TEMP 15.21 °C
DISSOLVED O_2 1.76 mg/L — SPECIFIC CONDUCTIVITY 1000.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 09:21
pH 5.19 su — TEMP 15.22 °C
DISSOLVED O_2 1.70 mg/L — SPECIFIC CONDUCTIVITY 1000.0 µs/cm

SAMPLE END TIME: 09:22

COMMENTS: Large draw down. DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.89 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.70 ft
(8.70) X .65 X 3 =16.96
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:31
pH 5.83 su — TEMP 16.27 °C
DISSOLVED O_2 2.60 mg/L — PECIFIC CONDUCTIVITY 1230.0 µs/cm

PURGE END TIME: 12:45
pH 5.52 su — TEMP 15.76 °C
DISSOLVED O_2 1.03 mg/L — SPECIFIC CONDUCTIVITY 1076.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 12:46
pH 5.51 su — TEMP 15.71 °C
DISSOLVED O_2 1.00 mg/L — SPECIFIC CONDUCTIVITY 1074.0 µs/cm

SAMPLE END TIME: 12:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.82 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.18 ft
(8.18) X .65 X 3 –15.95
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:35
pH 5.39 su — TEMP 15.79 °C
DISSOLVED O_2 2.76 mg/L — PECIFIC CONDUCTIVITY 1230.0 µs/cm

PURGE END TIME: 09:44
pH 5.10 su — TEMP 15.10 °C
DISSOLVED O_2 1.30 mg/L — SPECIFIC CONDUCTIVITY 1157.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 09:45
pH 5.08 su — TEMP 15.11 °C
DISSOLVED O_2 1.27 mg/L — SPECIFIC CONDUCTIVITY 1157.0 µs/cm

SAMPLE END TIME: 09:46

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcat and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.90 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.41 ft
(7.41) X .65 X 3 =14.44
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:35
pH 5.91 su — TEMP 15.41 °C
DISSOLVED O_2 2.81 mg/L — SPECIFIC CONDUCTIVITY 976.0 µs/cm

PURGE END TIME: 12:36
pH 5.49 su — TEMP 15.00 °C
DISSOLVED O_2 1.09 mg/L — SPECIFIC CONDUCTIVITY 831.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 12:37
pH 5.50 su — TEMP 15.01 °C
DISSOLVED O_2 1.10 mg/L — SPECIFIC CONDUCTIVITY 829.0 µs/cm

SAMPLE END TIME: 12:38

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.24 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.02 ft
(9.02) X .65 X 3 =17.58
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40
pH 4.76 su — TEMP 15.76 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 1596.0 µs/cm

PURGE END TIME: 09:58
pH 4.53 su — TEMP 14.91 °C
DISSOLVED O_2 1.87 mg/L — SPECIFIC CONDUCTIVITY 1387.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 09:59
pH 4.54 su — TEMP 14.87 °C
DISSOLVED O_2 1.86 mg/L — SPECIFIC CONDUCTIVITY 1359.0 µs/cm

SAMPLE END TIME: 10:00

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/14/04
WEATHER: Overcast and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.51 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.14 ft
(7.14) X .65 X 3 –13.92
GALLONS OF H_2O TO BE PURGED: 14 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: 10:07
pH 6.16 su — TEMP 15.88 °C
DISSOLVED O_2 3.19 mg/L — SPECIFIC CONDUCTIVITY 2760.0 µs/cm

PURGE END TIME: 11:08
pH 5.71 su — TEMP 14.76 °C
DISSOLVED O_2 1.62 mg/L — SPECIFIC CONDUCTIVITY 2370.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 11:09
pH 5.72 su — TEMP 14.77 °C
DISSOLVED O_2 1.63 mg/L — SPECIFIC CONDUCTIVITY 2368.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS: Low draw down.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB017090.D	Sample Name	MB 19July04
Operator	Skelton	Field ID	MB 19July04
Date Acquired	19 Jul 2004 3:20 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	300	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	1	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 19July04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 19July04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017090.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017091.D	Sample Name	4052001
Operator	Skelton	Field ID	Trip Blank
Date Acquired	19 Jul 2004 3:57 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

[1]Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9.6.2.Sept.97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017091.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017092.D	Sample Name	4052002
Operator	Skelton	Field ID	Field Blank
Date Acquired	19 Jul 2004 4:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	400	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017092.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VJ017093.D	Sample Name	4052003
Operator	Skelton	Field ID	Dupe
Date Acquired	19 Jul 2004 5:11 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl Ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.12	36255	8.68 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2 Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2 Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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7/27/2004 3:37 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017093.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017094.D	Sample Name	4052004
Operator	Skelton	Field ID	812MW01
Date Acquired	19 Jul 2004 5:48 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	100	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6:2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW01

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017094.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017095.D	Sample Name	4052005
Operator	Skelton	Field ID	812MW02
Date Acquired	19 Jul 2004 6:25 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW02

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017095.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017096.D	Sample Name	4052006
Operator	Skelton	Field ID	812MW04
Date Acquired	19 Jul 2004 7:03 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.10	22134	7.34 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017096.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017097.D	Sample Name	4052007
Operator	Skelton	Field ID	812MW05
Date Acquired	19 Jul 2004 7:40 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	11.97	205998	69.83 ug/L	700	0.40 ug/L	2.00 ug/L	E
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	499917	19.84 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.57	245429	106.87 ug/L	300	0.28 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.21	1219822	38.23 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride	17.21	156335	4.82 ug/L	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.47	19606	0.86 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and General Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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

Data File	VB017118.D	Sample Name	4052007
Operator	Skelton	Field ID	812MW05
Date Acquired	20 Jul 2004 8:43 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.45 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.00 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone	12.18	46575	80.20 ug/L	700	2.00 ug/L	10.00 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	84368	17.01 ug/L	70	1.75 ug/L	10.00 ug/L	D
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone	17.66	37749	83.49 ug/L	300	1.40 ug/L	10.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.22	176213	28.05 ug/L	30	1.45 ug/L	10.00 ug/L	D
56-23-5	Carbon Tetrachloride	17.22	22522	3.53 ug/L	2	1.35 ug/L	10.00 ug/L	D
71-43-2	Benzene			not detected	1	1.50 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.70 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.50 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	3.15 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	1.45 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	1.10 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017097.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000074-93-1	Methanethiol	6.17	10	JN
2. 000075-18-3	Dimethyl sulfide	10.13	5	JN

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

Data File	VB017098.D	Sample Name	4052008
Operator	Skelton	Field ID	812MW06
Date Acquired	19 Jul 2004 8:17 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	3	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m,p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW06

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017098.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017099.D	Sample Name	4052009
Operator	Skelton	Field ID	812MW07
Date Acquired	19 Jul 2004 8:55 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.11	161415	52.04 ug/L	700	0.40 ug/L	2.00 ug/L	E
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	73019	2.76 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.62	91284	37.80 ug/L	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.21	21356	0.64 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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

Data File	VB017119.D	Sample Name	4052009
Operator	Skelton	Field ID	812MW07
Date Acquired	20 Jul 2004 9:20 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.45 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.00 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone	12.15	30845	53.22 ug/L	700	2.00 ug/L	10.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.75 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	1.40 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.45 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	3	1.35 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.50 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.70 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.50 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	3.15 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	1.45 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	1.10 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW07

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017099.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017100.D	Sample Name	4052010
Operator	Skelton	Field ID	812MW08
Date Acquired	19 Jul 2004 9:32 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW08

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017100.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017101.D	Sample Name	4052011
Operator	Skelton	Field ID	812MW14
Date Acquired	19 Jul 2004 10:09 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40520 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4052011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017101.D

Level: (low/med) LOW Date Received: 7/15/2004

% Moisture: not dec. Date Analyzed: 7/19/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

	Lab	2-Butanone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/09/2000	FMETL	ND	8.97								V,S,P,M
09/09/2000D	FMETL	ND	8.97								V,S,P,M
12/27/2000	FMETL	ND	8.94								V,S,P,M
03/16/2001	FMETL	ND	8.46								V,S,P,M
06/21/2001	FMETL	ND	8.54								V,S,P,M
06/21/2001D	FMETL	ND	8.54								V,S,P,M
08/27/2001	FMETL	ND	9.16								V,S,P,M
11/27/2001	FMETL	ND	9.73								V,S,P,M
02/06/2002	FMETL	ND	9.44								V,S,P,M
06/28/2002	FMETL	ND	9.15								V,S,P,M
08/28/2002	FMETL	ND	10.03								V,S,P,M
11/14/2002	FMETL	ND	8.88								V,S,P,M
03/14/2003	FMETL	5.26	8.26								V,S,P,M
05/15/2003	FMETL	ND	7.57								V,S,P,M
08/20/2003	FMETL	ND	7.80								V,S,P,M
10/20/2003	FMETL	ND	8.52								V,S,P,M
01/22/2004	FMETL	ND	8.21								V
04/22/2004	FMETL	ND	7.2								V
07/14/2004	FMETL	ND	7.85								V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/14/2004

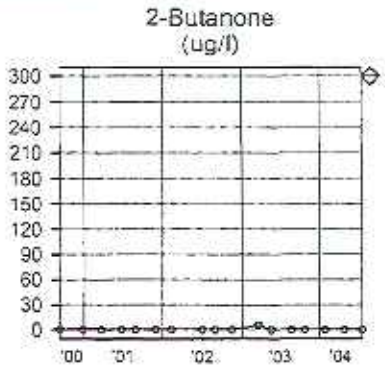
NOTES:

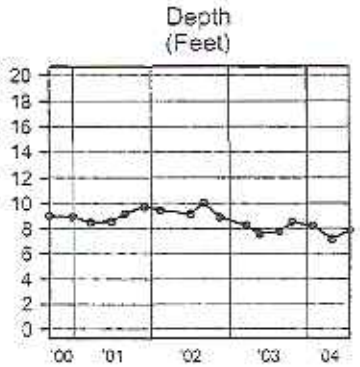
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

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





SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/14/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 12 of 14, Graph

U.S.ARMY
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SELFM-PW-EV

08-02-2004 X:\MechData\812\812.WSF

	Lab	Carbon Di sulfide	Depth								Notes
Units:	-	ug/	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/09/2000	FMETL	4.27	6.57								V,S,P,M
12/27/2000	FMETL	ND	6.93								V,S,P,M
03/16/2001	FMETL	ND	6.06								V,S,P,M
06/21/2001	FMETL	ND	5.98								V,S,P,M
08/27/2001	FMETL	ND	6.87								V,S,P,M
11/27/2001	FMETL	ND	7.95								V,S,P,M
02/06/2002	FMETL	ND	8.25								V,S,P,M
06/28/2002	FMETL	ND	8.66								V,S,P,M
08/28/2002	FMETL	ND	7.67								V,S,P,M
11/14/2002	FMETL	ND	6.67								V,S,P,M
03/14/2003	FMETL	ND	5.54								V,S,P,M
05/15/2003	FMETL	ND	6.43								V,S,P,M
08/20/2003	FMETL	ND	6.03								V,S,P,M
10/20/2003	FMETL	ND	6.14								V,S,P,M
01/22/2004	FMETL	ND	5.75								V
04/22/2004	FMETL	ND	3.1								V
07/14/2004	FMETL	ND	6.27								V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/14/2004

NOTES:

FORT MONMOUTH

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Source 13 of 14

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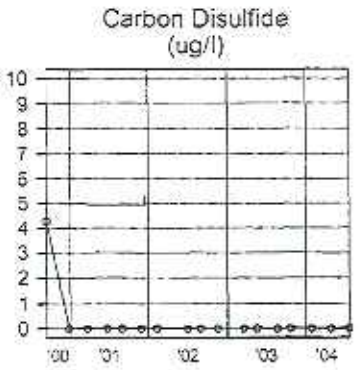

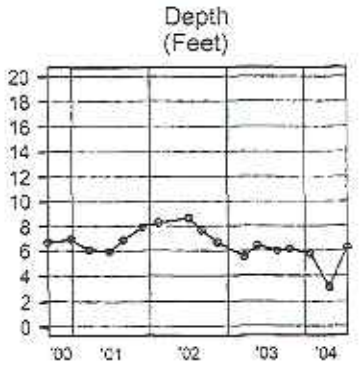

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/14/2004

LEGEND:

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o = Date Sampled

NJDEP Criteria

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Source 13 of 14, Graph

U.S.ARMY
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08-02-2004 X:\MechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Depth			Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet			-
NJDEP Criteria:	-	300	5	NLE	100	10	1	-			-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58	4.76			V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17	4.54			V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND	3.89			V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND	5.45			V,S,P,M
09/07/2001	FMETL	ND	3299.91	ND	101.33	196.94	ND	4.97			V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51	5.09			V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87	4.10			V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04	4.10			V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43	4.23			V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND	3.10			V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	4.81			V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	4.57			V,S,P,M
08/21/2003	FMETL	915.3	136.6	5.09	6.38	37.35	ND	4.05			V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	4.00			V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	3.80			V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	2.2			V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	2.81			V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/14/2004

NOTES:

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Source 11 of 14

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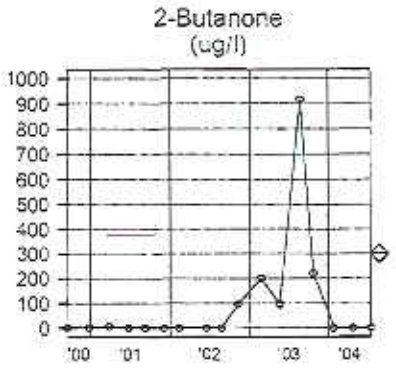

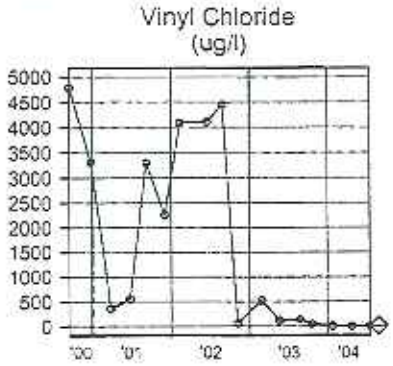

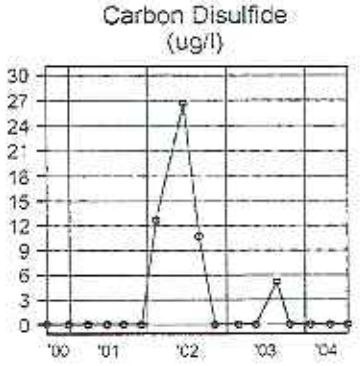

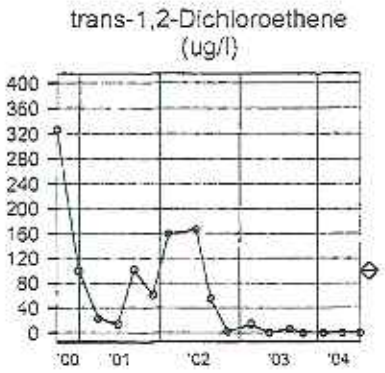

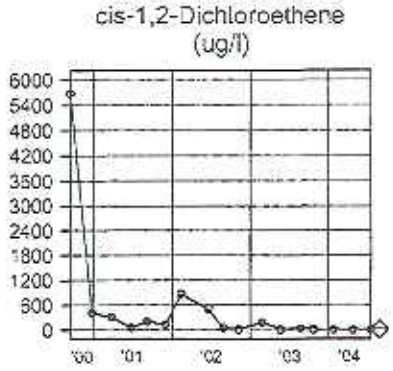

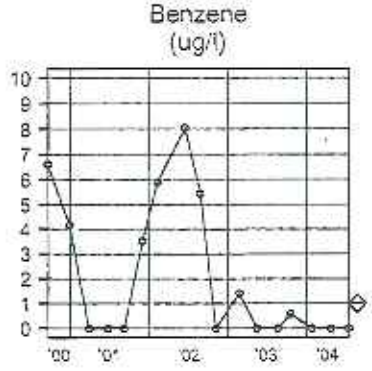

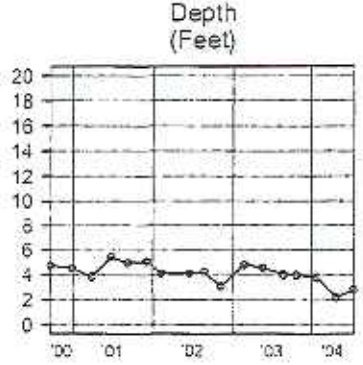

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/14/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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M-8 Bldg 697

Source 11 of 14, Graph

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

08-02-2004 X:\Mled\Data\812\812.WSF

	Lab	2-But anone	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	30	1	-						-
09/14/2000	FMETL	ND	13.04		9.83						V,S,P,M
12/27/2000	FMETL	ND	1.58		10.12						V,S,P,M
03/23/2001	FMETL	ND	5.77		8.83						V,S,P,M
03/23/2001D	FMETL	ND	4.62		8.83						V,S,P,M
06/22/2001	FMETL	ND	10.94		9.54						V,S,P,M
09/07/2001	FMETL	ND	ND		10.38						V,S,P,M
12/03/2001	FMETL	ND	2.06		11.16						V,S,P,M
02/08/2002	FMETL	ND	2.27		10.87						V,S,P,M
06/13/2002	FMETL	ND	5.66		10.25						V,S,P,M
08/23/2002	FMETL	ND	5.83		11.13						V,S,P,M
11/07/2002	FMETL	ND	29.36		9.85						V,S,P,M
03/07/2003	FMETL	5.90	14.49	ND	8.17						V,S,P,M
05/15/2003	FMETL	ND	8.16	ND	8.40						V,S,P,M
08/21/2003	FMETL	ND	16.8	ND	8.85						V,S,P,M
10/22/2003	FMETL	ND	9.47	ND	9.75						V,S,P,M
01/22/2004	FMETL	140.15	17.26	0.44	8.78						V
04/22/2004	FMETL	123.5	32.95	0.7	9.48						V
07/14/2004	FMETL	83.49	38.23	0.86	8.89						V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/14/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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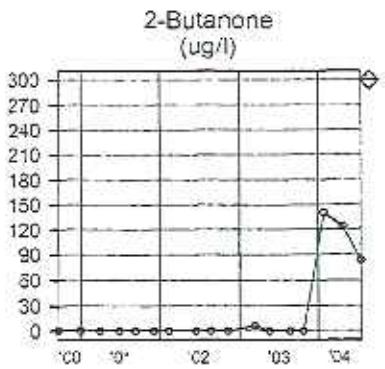
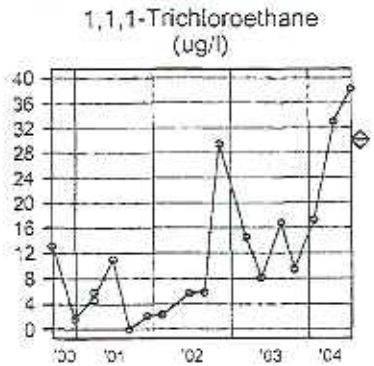
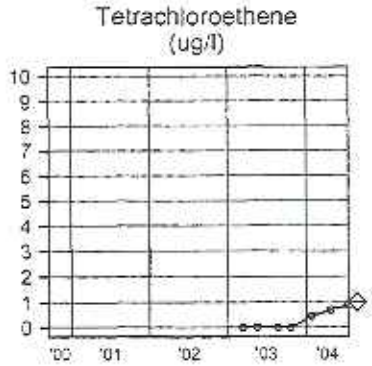
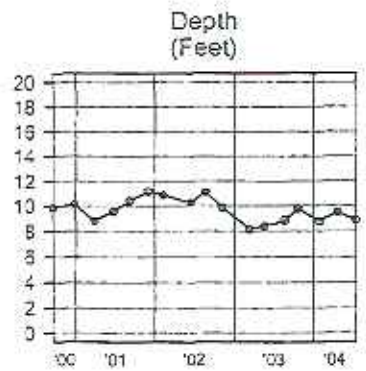
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/14/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.83									V,S,P,M
12/27/2000	FMETL	7.98									V,S,P,M
03/23/2001	FMETL	6.99									V,S,P,M
06/22/2001	FMETL	7.45									V,S,P,M
09/07/2001	FMETL	8.37									V,S,P,M
12/03/2001	FMETL	8.75									V,S,P,M
12/03/2001D	FMETL	8.75									V,S,P,M
02/08/2002	FMETL	8.46									V,S,P,M
06/13/2002	FMETL	7.98									V,S,P,M
06/23/2002	FMETL	8.72									V,S,P,M
11/07/2002	FMETL	7.65									V,S,P,M
03/07/2003	FMETL	6.44									V,S,P,M
05/15/2003	FMETL	6.38									V,S,P,M
08/21/2003	FMETL	6.99									V,S,P,M
10/22/2003	FMETL	7.56									V,S,P,M
01/22/2004	FMETL	6.94									V
04/22/2004	FMETL	6.22									V
07/14/2004	FMETL	6.82									V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/14/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

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U.S.ARMY
FORT MONMOUTH
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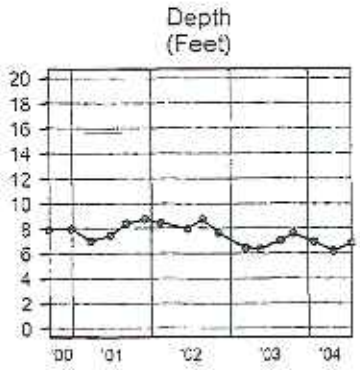

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/14/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14. Graph

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

08-03-2004—K:\MtechData\812\812.WSF

	Lab	2-Butanone	Carbon Disulfide	1,1,1-Trichloroethane	Depth						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	300	NLE	30	-						-
09/14/2000	FMETL	ND	ND	11.29	11.19						V,S,P,M
12/27/2000	FMETL	ND	ND	2.91	11.22						V,S,P,M
03/23/2001	FMETL	ND	ND	4.49	10.47						V,S,P,M
06/22/2001	FMETL	ND	ND	3.24	10.80						V,S,P,M
09/07/2001	FMETL	ND	ND	ND	11.33						V,S,P,M
12/03/2001	FMETL	ND	5.85	ND	11.96						V,S,P,M
02/08/2002	FMETL	ND	ND	ND	11.70						V,S,P,M
06/13/2002	FMETL	ND	ND	18.61	11.17						V,S,P,M
08/23/2002	FMETL	ND	ND	11.38	11.80						V,S,P,M
11/07/2002	FMETL	ND	ND	5.26	10.83						V,S,P,M
03/07/2003	FMETL	6.21	8.27	12.84	9.76						V,S,P,M
05/15/2003	FMETL	198.04	17.95	2.37	10.02						V,S,P,M
08/21/2003	FMETL	ND	ND	15.54	10.18						V,S,P,M
10/22/2003	FMETL	ND	ND	1.44	10.75						V,S,P,M
01/22/2004	FMETL	220.85	ND	1.12	11.11						V
04/22/2004	FMETL	25.54	ND	0.91	7.88						V
07/14/2004	FMETL	37.80	ND	0.64	9.90						V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/14/2004

NOTES:

FORT MONMOUTH

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Source 7 of 14

U.S.ARMY
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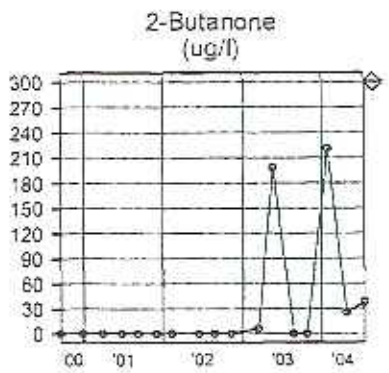
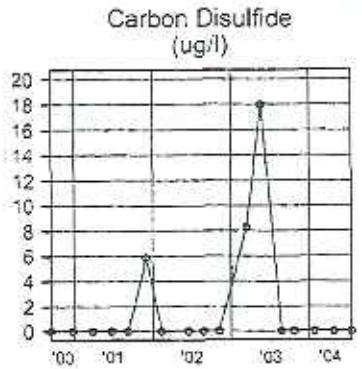
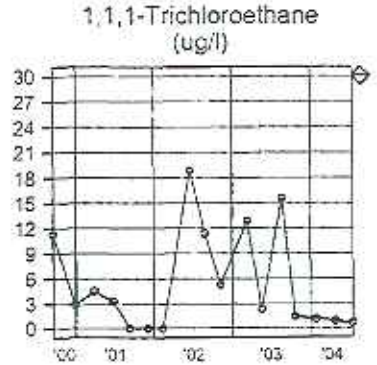
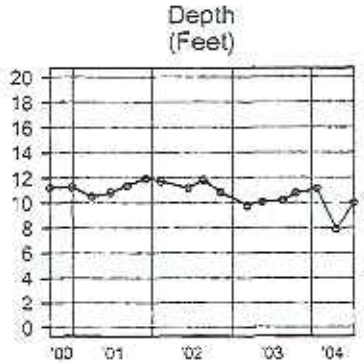
08-02-2004 X:\MochData\812\812.WSF









SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/14/2004

LEGEND:

PARAMETER

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NJDEP Criteria

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08-02-2004_X:\Mod Data\812\812.WSF

	Lab	2-Butanone	Depth							Notes
Units:	-	ug/l	Feet							-
NJDEP Criteria:	-	300	-							-
09/14/2000	FMETL	ND	7.23							V,S,P,M
12/27/2000	FMETL	ND	7.32							V,S,P,M
03/23/2001	FMETL	ND	6.56							V,S,P,M
06/22/2001	FMETL	ND	6.90							V,S,P,M
09/07/2001	FMETL	ND	7.52							V,S,P,M
12/03/2001	FMETL	ND	8.07							V,S,P,M
02/08/2002	FMETL	ND	7.82							V,S,P,M
06/13/2002	FMETL	ND	7.36							V,S,P,M
08/23/2002	FMETL	ND	8.03							V,S,P,M
11/07/2002	FMETL	ND	6.87							V,S,P,M
02/21/2003	FMETL	ND	6.68							V,S,P,M
05/15/2003	FMETL	ND	6.20							V,S,P,M
08/21/2003	FMETL	ND	6.35							V,S,P,M
10/22/2003	FMETL	3.85	6.58							V,S,P,M
01/22/2004	FMETL	10.62	6.35							V
04/22/2004	FMETL	ND	5.75							V
07/14/2004	FMETL	ND	6.24							V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/14/2004

NOTES:

FORT MONMOUTH

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U.S. ARMY
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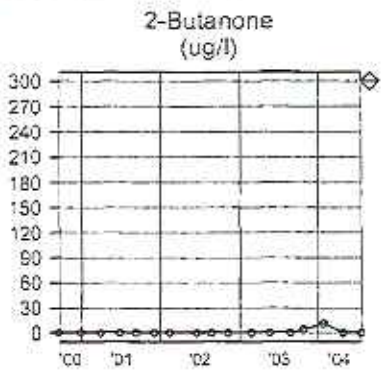
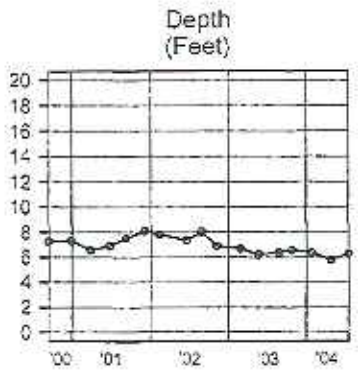
08-02-2004 X:\MechData\812\812.WSF





SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/14/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

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

08-02-2004 X:\WechData\812\812.W5F

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	8.65									V,S,P,M
09/14/2000D	FMETL	8.65									V,S,P,M
12/27/2000	FMETL	8.87									V,S,P,M
03/23/2001	FMETL	8.27									V,S,P,M
06/22/2001	FMETL	8.46									V,S,P,M
06/22/2001D	FMETL	8.46									V,S,P,M
09/07/2001	FMETL	8.85									V,S,P,M
09/07/2001	FMETL	8.85									V,S,P,M
12/03/2001	FMETL	9.18									V,S,P,M
02/08/2002	FMETL	9.15									V,S,P,M
06/13/2002	FMETL	8.74									V,S,P,M
08/23/2002	FMETL	9.09									V,S,P,M
11/07/2002	FMETL	8.14									V,S,P,M
02/21/2003	FMETL	8.45									V,S,P,M
05/15/2003	FMETL	8.03									V,S,P,M
08/21/2003	FMETL	7.98									V,S,P,M
10/22/2003	FMETL	8.38									V,S,P,M
01/22/2004	FMETL	7.92									V
04/22/2004	FMETL	7.26									V
07/14/2004	FMETL	7.51									V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/14/2004

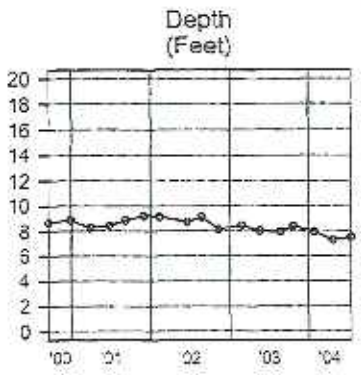
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14

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



SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/14/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

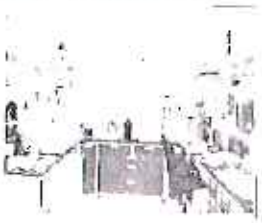
Source 6 of 14, Graph

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

08-02-2004_X:\MechData\812\812.WEF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4075105	0812MW01	29-42572	10/28/04
4075108	0812MW02	29-42573	10/28/04
4075104	0812MW04	29-42575	10/28/04
4075801	0812MW05	29-42576	11/01/04
4075106	0812MW06	29-42577	10/28/04
4075802	0812MW07	29-42578	11/01/04
4075107	0812MW08	29-42579	10/28/04
4075803	0812MW14	29-42888	11/01/04

NJDEP Laboratory Certification # 13461

11-16-04
Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608

LTM Depth to Water

Location: 812
Date: 11/01/04

Well	NJDEP Well ID	Depth of Well Feet	Well Diameter Inch	Depth to Water Feet
0812MW01	29-42572	48.62	4	8.16
0812MW02	29-42573	47.91	4	6.43
0812MW03	29-42574	46.81	4	6.44
0812MW04	29-42575	6.62	4	4.49
0812MW05	29-42576	17.59	4	9.7
0812MW06	29-42577	15	4	7.49
0812MW07	29-42578	17.31	4	10.63
0812MW08	29-42579	15.26	4	6.77
0812MW09	29-42580	15.6	4	6.37
0812MW10	29-42581	15.31	4	6.31
0812MW11	29-42582	14.55	4	4.27
0812MW12	29-42583	15.31	4	4.11
0812MW13	29-42584	18.55	4	7.77
0812MW14	29-42888	14.65	4	8.15

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: # 1260223
( )DERA ( )OMA ( )Other:

Project No:
Location: 812 wells
4th Qrt '04 Pt I

Samplers Name / Company: JK / CPM /TVS

Analysis Parameters

Comments: HCL/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOIIS							Hnu Read	Remarks / Preservation Method
40751 01	Trip I	10/28/04	0800	AQ	2	✓							—	
02	Field Blank I		1040		~~2~~ 1	✓							—	
03	Dupe I		—		2	✓							—	
04	812 mw04 *		1027		2	✓							0.0	29-42375
05	812 mw01		1142			✓							0.4	29-42572
06	812 mw06		1215			✓							0.0	29-42579
07	812 mw08		1231			✓							0.0	29-42579
08	812 mw02		1239			✓							0.0	29-42573

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
CPM/JK	10/28/04 1307	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: 1 Trip No broken, Transit, CPM
Tide: N/A

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Hatton
Phone: # 426223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 812 Wells
4th Qtr '04 Pt II

Samplers Name / Company: Corey McCormack / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTS							HNO3 Acid	Remarks / Preservation Method
40758 01	812 MW05	11/1/04	1511	AQ	2	✓							0.0	29-42576
02	812 MW09		1457			✓							0.0	29-42578
03	812 MW14		1453			✓							0.0	29-42858

Analysis Parameters

Comments: HCL/HNO3/4°C

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/2/04 780	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Shows T/FB/D from CWL same date. cpm
Tide: NA

print legibly

COC.XLS 10/20/2004

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/04
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.13 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.31 ft
(40.31) X .65 X 3 =78.60
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.92 gpm
Hnu READING: 0.4 ppm

PURGE START TIME: 11:00
pH 7.07 su
DISSOLVED O_2 8.08 mg/L
TEMP 16.53 °C
SPECIFIC CONDUCTIVITY 1988.0 µs/cm

PURGE END TIME: 11:41
pH 6.55 su
DISSOLVED O_2 5.49 mg/L
TEMP 17.68 °C
SPECIFIC CONDUCTIVITY 2027.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 16.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 11:42
pH 6.54 su
DISSOLVED O_2 4.91 mg/L
TEMP 17.62 °C
SPECIFIC CONDUCTIVITY 2018.0 µs/cm

SAMPLE END TIME: 11:43

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/04
WEATHER: Sunny and cold Lt. Breeze.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.39 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.52 ft
(41.52) X .65 X 3 = 80.96
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.92 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:56
pH 6.77 su — TEMP 17.93 °C
DISSOLVED O_2 9.71 mg/L — SPECIFIC CONDUCTIVITY 2667.0 µs/cm

PURGE END TIME: 12:38
pH 6.59 su — TEMP 18.02 °C
DISSOLVED O_2 2.24 mg/L — SPECIFIC CONDUCTIVITY 1915.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.59 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 12:39
pH 6.73 su — TEMP 17.95 °C
DISSOLVED O_2 1.98 mg/L — SPECIFIC CONDUCTIVITY 1906.0 µs/cm

SAMPLE END TIME: 12:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/04
WEATHER: Sunny cold and breezy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.47 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.15 ft
(2.15) X .65 X 3 = 4.19
GALLONS OF H_2O TO BE PURGED: 4 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: 10:09
pH 6.32 su — TEMP 17.14 °C
DISSOLVED O_2 8.08 mg/L — SPECIFIC CONDUCTIVITY 1986.0 µs/cm

PURGE END TIME: 10:26
pH 6.34 su — TEMP 17.20 °C
DISSOLVED O_2 1.63 mg/L — SPECIFIC CONDUCTIVITY 2120.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.00 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 10:27
pH 6.38 su — TEMP 17.57 °C
DISSOLVED O_2 1.67 mg/L — SPECIFIC CONDUCTIVITY 2166.0 µs/cm

SAMPLE END TIME: 10:28

COMMENTS: Large draw down. DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/01/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.70 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.89 ft
(7.89) X .65 X 3 =15.38
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:05
pH 7.17 su — TEMP 19.14 °C
DISSOLVED O_2 6.52 mg/L — PECIFIC CONDUCTIVITY 2702.0 µs/cm

PURGE END TIME: 15:10
pH 6.16 su — TEMP 19.02 °C
DISSOLVED O_2 3.00 mg/L — SPECIFIC CONDUCTIVITY 2721.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.13 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 15:11
pH 6.07 su — TEMP 19.05 °C
DISSOLVED O_2 2.82 mg/L — SPECIFIC CONDUCTIVITY 2720.0 µs/cm

SAMPLE END TIME: 15:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/04
WEATHER: Sunny cold and Lt. Breeze.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.46 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.54 ft
(7.54) X .65 X 3 =14.70
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:09
pH 4.14 su — TEMP 19.26 °C
DISSOLVED O_2 4.80 mg/L — PECIFIC CONDUCTIVITY 2138.0 µs/cm

PURGE END TIME: 12:14
pH 4.17 su — TEMP 20.10 °C
DISSOLVED O_2 6.49 mg/L — SPECIFIC CONDUCTIVITY 2150.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 12:15
pH 4.12 su — TEMP 20.05 °C
DISSOLVED O_2 5.51 mg/L — SPECIFIC CONDUCTIVITY 2135.0 µs/cm

SAMPLE END TIME: 12:16

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/01/04
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.63 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.68 ft
(6.68) X .65 X 3 =13.02
GALLONS OF H_2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:00
pH 5.67 su — TEMP 19.22 °C
DISSOLVED O_2 4.52 mg/L — SPECIFIC CONDUCTIVITY 2917.0 µs/cm

PURGE END TIME: 14:56
pH 5.53 su — TEMP 19.19 °C
DISSOLVED O_2 2.02 mg/L — SPECIFIC CONDUCTIVITY 2910.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.85 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 14:57
pH 5.52 su — TEMP 19.19 °C
DISSOLVED O_2 1.96 mg/L — SPECIFIC CONDUCTIVITY 2862.0 µs/cm

SAMPLE END TIME: 14:58

COMMENTS: Low draw down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/28/04
WEATHER: Sunny and cold Lt. Breeze.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.80 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.46 ft
(8.46) X .65 X 3 =16.497
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:16
pH 6.08 su — TEMP 19.77 °C
DISSOLVED O_2 3.98 mg/L — SPECIFIC CONDUCTIVITY 2378.0 µs/cm

PURGE END TIME: 12:30
pH 3.83 su — TEMP 19.96 °C
DISSOLVED O_2 2.96 mg/L — SPECIFIC CONDUCTIVITY 2065.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.40 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 12:31
pH 3.82 su — TEMP 19.96 °C
DISSOLVED O_2 2.89 mg/L — SPECIFIC CONDUCTIVITY 2044.0 µs/cm

SAMPLE END TIME: 12:32

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB017966.D	Sample Name	MB 02Nov04
Operator	Skelton	Field ID	MB 02Nov04
Date Acquired	2 Nov 2004 2:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9 6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 02Nov04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 02Nov04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017966.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/2/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017998.D	Sample Name	MB 03Nov04
Operator	Skelton	Field ID	MB 03Nov04
Date Acquired	4 Nov 2004 1:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans 1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9 6 2-Sept-93

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 03Nov04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 03Nov04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017998.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018029.D	Sample Name	MB 09Nov04
Operator	Skelton	Field ID	MB 09Nov04
Date Acquired	9 Nov 2004 3:32 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.66	32217	0.82 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values.

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 09Nov04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 09Nov04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018029.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/9/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017972.D	Sample Name	4075101
Operator	Skelton	Field ID	Trip Blank
Date Acquired	2 Nov 2004 6:52 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.66	36392	1.09 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075101

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017972.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/2/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018003.D	Sample Name	4075701
Operator	Skelton	Field ID	Trip Blank
Date Acquired	4 Nov 2004 4:33 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.66	35132	1.06 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	3	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Trip Blank

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40757 Location: CW6 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018003.D

Level: (low/med) LOW Date Received: 11/2/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017973.D	Sample Name	4075102
Operator	Skellna	Field ID	Field Blank
Date Acquired	2 Nov 2004 7:33 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.67	34455	1.02 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017973.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/2/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018004.D	Sample Name	4075702
Operator	Skelton	Field ID	Field Blank
Date Acquired	4 Nov 2004 5:15 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.67	42350	1.25 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3 Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m/p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Field Blank

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40757 Location: CW6 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018004.D

Level: (low/med) LOW Date Received: 11/2/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017974.D	Sample Name	4075103
Operator	Skelton	Field ID	Dupe
Date Acquired	2 Nov 2004 8:15 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	n/e	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	n/e	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	n/e	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.45	2094371	67.95 ug/L	5	0.40 ug/L	2.00 ug/L	B
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	n/e	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	n/e	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.05	30093	4.24 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	n/e	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.21	51106	2.04 ug/L	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	n/e	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	195791	2.82 ug/L	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	n/e	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	n/e	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene	22.70	3141035	41.17 ug/L	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	n/e	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	n/e	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.73	6527726	70.48 ug/L	700	0.30 ug/L	2.00 ug/L	E
1330-20-7	m,p-Xylenes	26.02	4881254	147.24 ug/L	n/e	0.63 ug/L	4.00 ug/L	E
95-47-6	o-Xylene	26.85	7747603	111.64 ug/L	n/e	0.29 ug/L	2.00 ug/L	E
100-42-5	Styrene	26.85	150755	3.10 ug/L	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

[1]Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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

Data File	VB018030.D	Sample Name	4075103
Operator	Skelton	Field ID	Dupe
Date Acquired	9 Nov 2004 4:13 pm	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.45 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride	5.45	278419	49.43 ug/L	5	2.00 ug/L	10.00 ug/L	D
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.75 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	1.40 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.45 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.35 ug/L	10.00 ug/L	
71-43-2	Benzene	18.15	24121	1.73 ug/L	1	1.50 ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene	22.69	350675	22.87 ug/L	1000	1.70 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.73	844544	45.34 ug/L	700	1.50 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	582608	90.07 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.85	933835	69.80 ug/L	nle	1.45 ug/L	10.00 ug/L	D
100-42-5	Styrene			not detected	100	1.10 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2 Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Dupe

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017974.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/2/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	5.30	35	J
2. 000075-08-1	Ethanethiol	9.02	25	JN
3. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.41	100	JN
4. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.60	75	JN
5. 000622-96-8	Benzene, 1-ethyl-4-methyl-	29.04	64	JN
6. 000108-67-8	Benzene, 1,3,5-trimethyl-	29.37	270	JN
7. 000526-73-8	Benzene, 1,2,3-trimethyl-	30.23	97	JN
8. 000496-11-7	Indane	30.52	74	JN
9. 027133-93-3	2,3-Dihydro-1-methylindene	33.09	41	JN
10. 000275-51-4	Azulene	34.88	29	JN

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

Data File	VB017999.D	Sample Name	4075105
Operator	Skelton	Field ID	812MW01
Date Acquired	4 Nov 2004 1:49 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3 Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and General Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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11/8/2004 2:15 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW01

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017999.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018002.D	Sample Name	4075108
Operator	Skelton	Field ID	812MW02
Date Acquired	4 Nov 2004 3:53 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2 Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW02

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075108

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018002.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB017975.D	Sample Name	4075104
Operator	Skelton	Field ID	812MW04
Date Acquired	2 Nov 2004 8:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.46	2865367	76.04 ug/L	5	0.40 ug/L	2.00 ug/L	E
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.07	29338	3.38 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.21	78158	2.55 ug/L	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	287244	3.28 ug/L	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene	22.70	4394717	45.70 ug/L	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.74	9155337	77.15 ug/L	700	0.30 ug/L	2.00 ug/L	E
1330-20-7	m+p-Xylenes	26.02	6974073	164.19 ug/L	nle	0.63 ug/L	4.00 ug/L	E
95-47-6	o-Xylene	26.85	10738042	120.76 ug/L	nle	0.29 ug/L	2.00 ug/L	E
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and General Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	V10018031.D	Sample Name	4075104
Operator	Skelton	Field ID	812MW04
Date Acquired	9 Nov 2004 4:54 pm	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.45 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride	5.46	290745	47.06 ug/L	5	2.00 ug/L	10.00 ug/L	D
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.75 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	1.40 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.45 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.35 ug/L	10.00 ug/L	
71-43-2	Benzene	18.16	33001	2.19 ug/L	1	1.50 ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene	22.69	526479	31.87 ug/L	1000	1.70 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.73	1011602	50.49 ug/L	700	1.50 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	700882	100.73 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.85	1123874	78.10 ug/L	nle	1.45 ug/L	10.00 ug/L	D
100-42-5	Styrene			not detected	100	1.10 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9 6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW04

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075104

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017975.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/2/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000103-65-1	Benzene, propyl-	28.25	31	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.41	140	JN
3. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.60	95	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.04	80	JN
5. 000108-67-8	Benzene, 1,3,5-trimethyl-	29.37	310	JN
6. 000095-36-3	1,2,4-Trimethylbenzene	30.23	120	JN
7. 000496-11-7	Indane	30.52	90	JN
8. 000099-87-6	Benzene, 1-methyl-4-(1-methylet	31.33	28	JN
9. 027133-93-3	2,3-Dihydro-1-methylindene	33.09	50	JN
10. 000275-51-4	Azulene	34.88	35	JN

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

Data File	VB018010.D	Sample Name	4075801
Operator	Skelton	Field ID	812MW05
Date Acquired	4 Nov 2004 9:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.06	34402	4.50 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	224423	8.01 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.66	15242	4.11 ug/L	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.22	338518	11.17 ug/L	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride	17.22	40100	1.46 ug/L	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2 Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2 Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4 Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and General Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
RL = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40758 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075801

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018010.D

Level: (low/med) LOW Date Received: 11/2/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VH018000.D	Sample Name	4075106
Operator	Skelton	Field ID	812MW06
Date Acquired	4 Nov 2004 2:30 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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11/8/2004 3:15 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW06

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018000.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018011.D	Sample Name	4075802
Operator	Skelton	Field ID	812MW07
Date Acquired	4 Nov 2004 10:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.03	103378	13.14 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	46041	1.60 ug/L	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.58	567518	148.48 ug/L	300	0.28 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B -- Compound found in related blank

E = Value above linear range

D -- Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB018032.D	Sample Name	4075802
Operator	Skelton	Field ID	812MW07
Date Acquired	9 Nov 2004 5:35 pm	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.45 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.00 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone	12.05	36820	10.25 ug/L	700	2.00 ug/L	10.00 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1 Dichloroethane			not detected	70	1.75 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone	17.60	118721	111.58 ug/L	300	1.40 ug/L	10.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.45 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.35 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.50 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.70 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.50 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	3.15 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	1.45 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	1.10 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW07

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40758 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075802

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018011.D

Level: (low/med) LOW Date Received: 11/2/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018001.D	Sample Name	4075107
Operator	Skelton	Field ID	812MW08
Date Acquired	4 Nov 2004 3:11 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW08

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40751 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075107

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018001.D

Level: (low/med) LOW Date Received: 10/28/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018012.D	Sample Name	4075803
Operator	Skelton	Field ID	812MW14
Date Acquired	4 Nov 2004 10:47 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9:6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

C:\HPCHEM\Custrpt\Volatile\624FY03.CRT

11/8/2004 3:42 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40758 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4075803

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018012.D

Level: (low/med) LOW Date Received: 11/2/2004

% Moisture: not dec. Date Analyzed: 11/4/2004

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

	Lab	2-But anone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/09/2000	FMETL	ND	8.97								V,S,P,M
09/09/2000D	FMETL	ND	8.97								V,S,P,M
12/27/2000	FMETL	ND	8.94								V,S,P,M
03/16/2001	FMETL	ND	8.48								V,S,P,M
06/21/2001	FMETL	ND	8.54								V,S,P,M
06/21/2001D	FMETL	ND	8.54								V,S,P,M
08/27/2001	FMETL	ND	9.16								V,S,P,M
11/27/2001	FMETL	ND	9.73								V,S,P,M
02/06/2002	FMETL	ND	9.44								V,S,P,M
06/28/2002	FMETL	ND	9.15								V,S,P,M
08/28/2002	FMETL	ND	10.03								V,S,P,M
11/14/2002	FMETL	ND	8.88								V,S,P,M
03/14/2003	FMETL	5.26	8.26								V,S,P,M
05/15/2003	FMETL	ND	7.57								V,S,P,M
08/20/2003	FMETL	ND	7.80								V,S,P,M
10/20/2003	FMETL	ND	8.52								V,S,P,M
01/22/2004	FMETL	ND	8.21								V
04/22/2004	FMETL	ND	7.2								V
07/14/2004	FMETL	ND	7.85								V
10/28/2004	FMETL	ND	8.16								V

SOURCE: 0812MW01

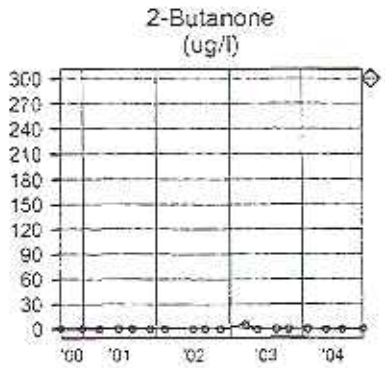
Sampling Dates:
09/09/2000 - 10/28/2004

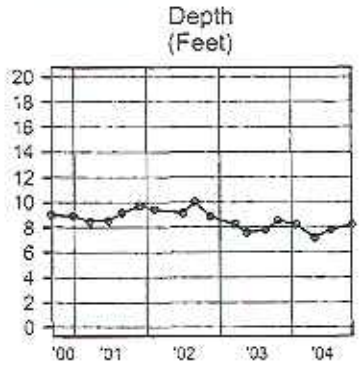
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14





SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/28/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

	Lab	Carbon Di sulfide	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/09/2000	FMETL	4.27	6.67								V,S,P,M
12/27/2000	FMETL	ND	6.93								V,S,P,M
03/16/2001	FMETL	ND	6.06								V,S,P,M
06/21/2001	FMETL	ND	5.98								V,S,P,M
08/27/2001	FMETL	ND	6.87								V,S,P,M
11/27/2001	FMETL	ND	7.95								V,S,P,M
02/06/2002	FMETL	ND	8.25								V,S,P,M
06/26/2002	FMETL	ND	8.66								V,S,P,M
08/28/2002	FMETL	ND	7.67								V,S,P,M
11/14/2002	FMETL	ND	6.67								V,S,P,M
03/14/2003	FMETL	ND	5.54								V,S,P,M
05/15/2003	FMETL	ND	6.43								V,S,P,M
08/20/2003	FMETL	ND	6.03								V,S,P,M
10/20/2003	FMETL	ND	6.14								V,S,P,M
01/22/2004	FMETL	ND	5.76								V
04/22/2004	FMETL	ND	3.1								V
07/14/2004	FMETL	ND	6.27								V
10/28/2004	FMETL	ND	6.43								V

SOURCE: 0812MW02

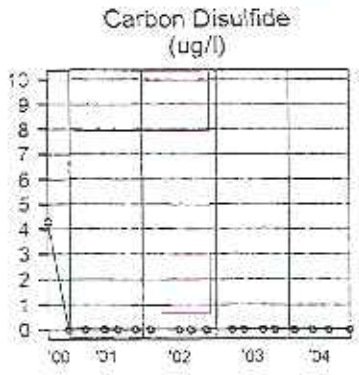
Sampling Dates:
09/09/2000 - 10/28/2004

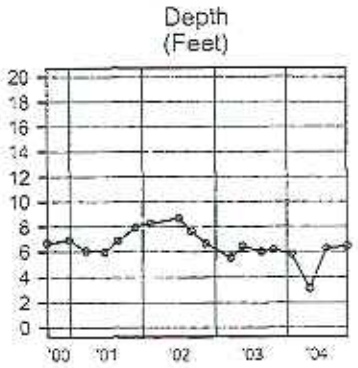
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14





SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/28/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

11-12-2004 \\Gar045\ENVIR_Data\MtechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/15/2001	FMETL	5.95									V,S,P,M
03/15/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
05/28/2002	FMETL	7.07									V,S,P,M
08/26/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS

SOURCE: 0812MW03

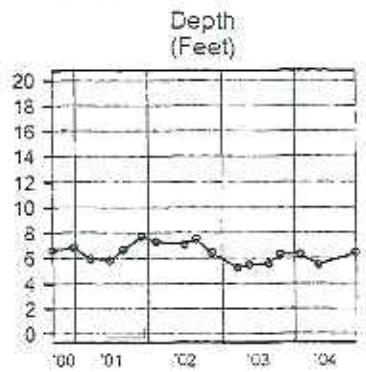
Sampling Dates:
09/09/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

11-12-2004 \\Gar045\ENVR_Data\MtechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	4-Methyl-2-Pent anone	Ethyl benzene	T Xylenes	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	5	100	10	1	400	700	40	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.58	ND	136.41	120.22	4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.81	406.83	4.17	60.72	72.16	191.02	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	5.72	20.48	32.16	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	ND	8.70	8.51	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	ND	98.01	126.76	301.23	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.65	60.82	125.92	3.51	ND	53.78	114.73	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	144.23	98.1	238.34	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	166.9	509.66	8.04	142.98	182.38	302.66	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	86.52	94.11	211.4	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.76	ND	ND	1.24	ND	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	2.67	38.58	88.36	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	ND	ND	7.60	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	6.38	37.35	ND	ND	9.01	20.7	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	ND	9.55	26.61	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.05	ND	ND	ND	ND	1.02	2.54	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	2.55	ND	3.28	ND	50.49	178.83	4.49	V

SOURCE: 0812MW04

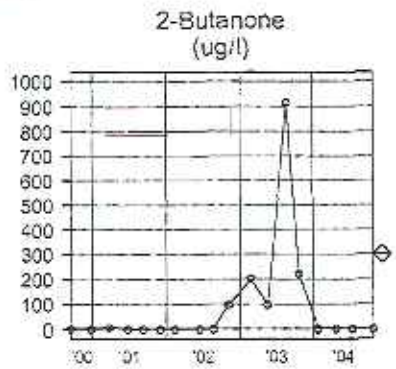
Sampling Dates:
09/14/2000 - 10/28/2004

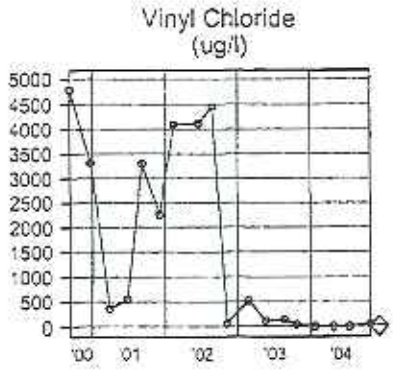
NOTES:

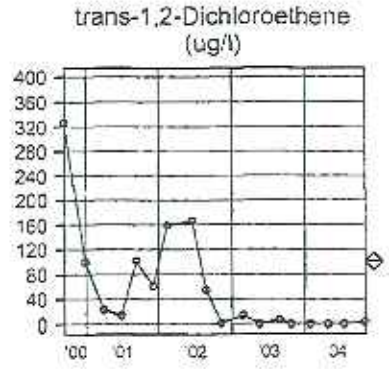
FORT MONMOUTH

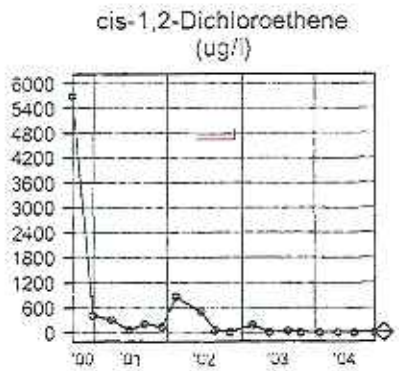
GW MONITORING
M-8 Bldg 697

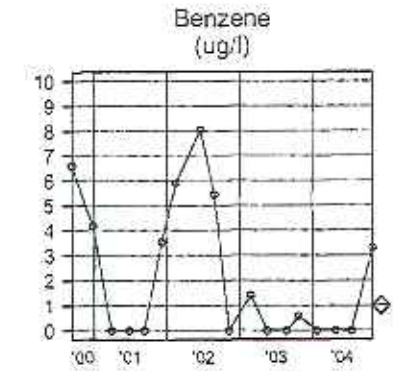
Source 11 of 14

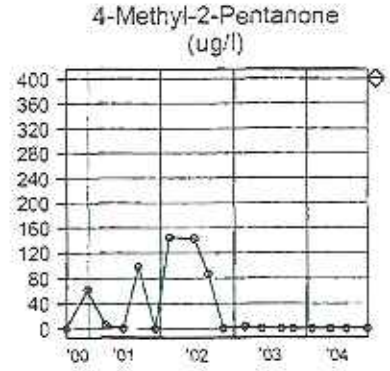


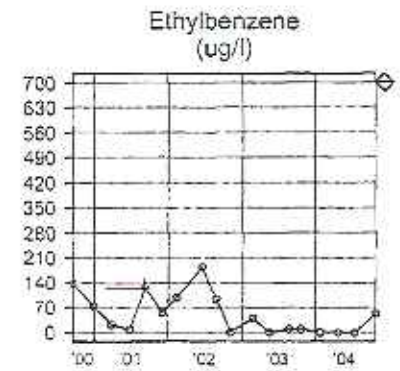


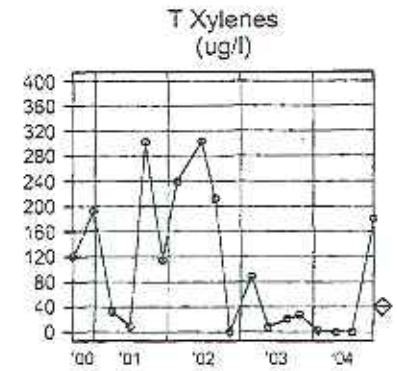


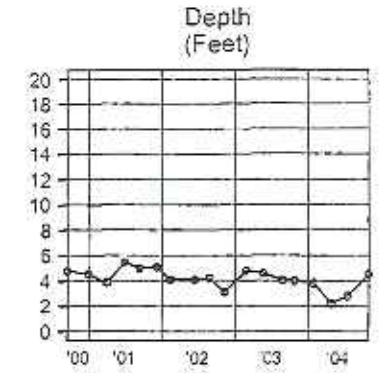












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/28/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 11 of 14, Graph

11-12-2004 \\Car045\ENVR_Data\Mech\Data\812\812.WSF

	Lab	Acetone	2-Butanone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	700	300	NLE	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	13.04		9.83				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	1.58		10.12				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	5.77		8.83				V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	4.62		8.83				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	10.94		9.54				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		10.38				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	2.06		11.16				V,S,P,M
02/06/2002	FMETL	ND	ND	ND	2.27		10.87				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	5.66		10.25				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	5.83		11.13				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	29.36		9.85				V,S,P,M
03/07/2003	FMETL	33.87	5.90	4.93	14.49	ND	8.17				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	8.16	ND	8.40				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	16.8	ND	8.85				V,S,P,M
10/22/2003	FMETL	3.46	ND	ND	9.47	ND	9.75				V,S,P,M
01/22/2004	FMETL	16.53	140.15	ND	17.26	0.44	8.78				V
04/22/2004	FMETL	293.94	123.5	5.69	32.95	0.7	9.48				V
07/14/2004	FMETL	80.20	83.49	ND	38.23	0.86	8.89				V
11/01/2004	FMETL	4.50	4.11	ND	11.17	ND	9.70				V

SOURCE: 0812MW05

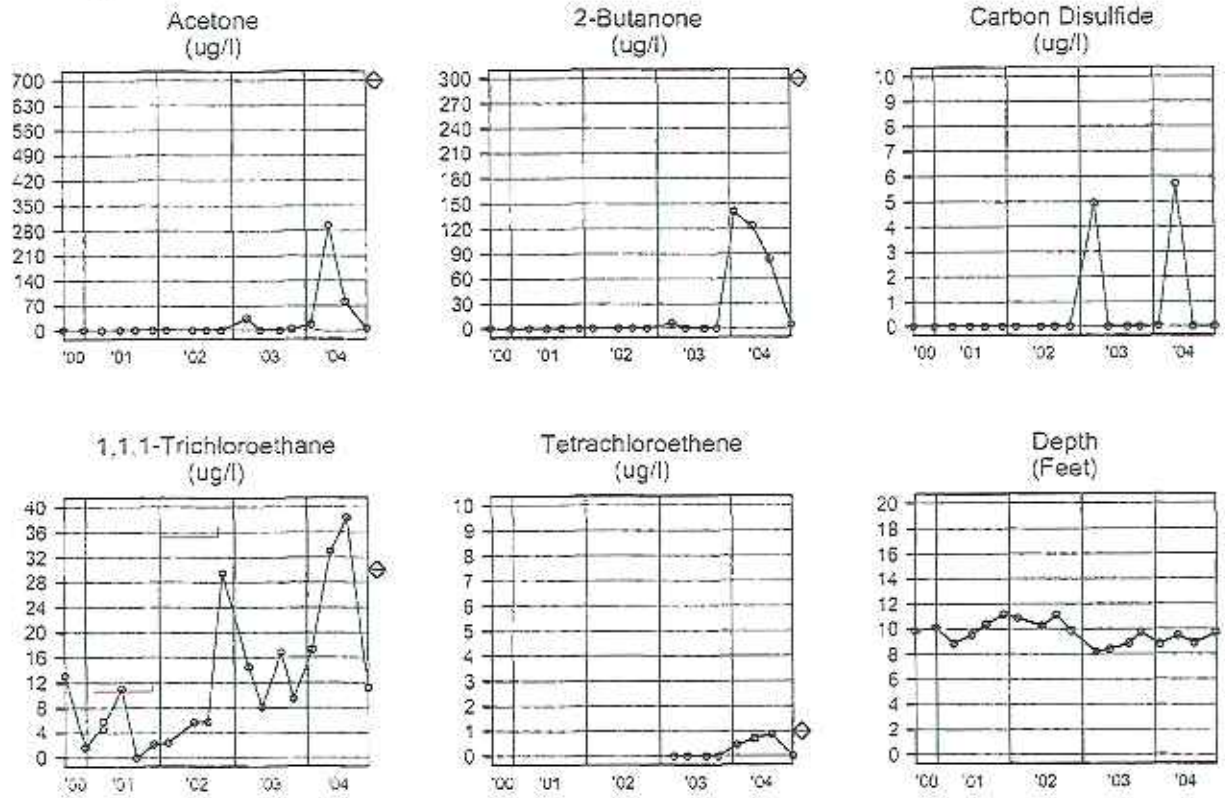
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14



SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

11-12-2004 \\Gar04S\ENVR_Data\MtechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.83									V,S,P,M
12/27/2000	FMETL	7.98									V,S,P,M
03/23/2001	FMETL	6.99									V,S,P,M
06/22/2001	FMETL	7.45									V,S,P,M
09/07/2001	FMETL	8.37									V,S,P,M
12/03/2001	FMETL	8.75									V,S,P,M
12/03/2001D	FMETL	8.75									V,S,P,M
02/08/2002	FMETL	8.46									V,S,P,M
05/13/2002	FMETL	7.98									V,S,P,M
08/23/2002	FMETL	8.72									V,S,P,M
11/07/2002	FMETL	7.65									V,S,P,M
03/07/2003	FMETL	6.44									V,S,P,M
05/15/2003	FMETL	6.38									V,S,P,M
08/21/2003	FMETL	6.99									V,S,P,M
10/22/2003	FMETL	7.56									V,S,P,M
01/22/2004	FMETL	6.94									V
04/22/2004	FMETL	5.22									V
07/14/2004	FMETL	6.82									V
10/28/2004	FMETL	7.49									V

SOURCE: 0812MW06

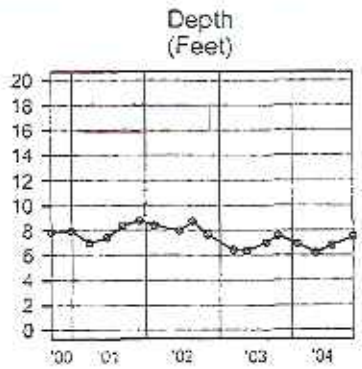
Sampling Dates:
09/14/2000 - 10/28/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14



SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/28/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

11/12/2004 ...\Gar045\ENVR_Data\MechData\812\812.XLSF

	Lab	Acetone	2-But anone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	700	300	NLE	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	11.29		11.19				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	2.91		11.22				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	4.49		10.47				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	3.24		10.80				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		11.33				V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND		11.96				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND		11.70				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	18.81		11.17				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	11.38		11.80				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	5.26		10.83				V,S,P,M
03/07/2003	FMETL	17.62	6.21	8.27	12.84	ND	9.76				V,S,P,M
05/15/2003	FMETL	116.46	196.04	17.95	2.37	ND	10.02				V,S,P,M
08/21/2003	FMETL	1.81	ND	ND	15.54	ND	10.18				V,S,P,M
10/22/2003	FMETL	2.60	ND	ND	1.44	ND	10.75				V,S,P,M
01/22/2004	FMETL	29.78	220.85	ND	1.12	0.46	11.11				V
04/22/2004	FMETL	31.58	25.54	ND	0.91	ND	7.88				V
07/14/2004	FMETL	53.22	37.80	ND	0.64	ND	9.90				V
11/01/2004	FMETL	13.14	111.58	ND	ND	ND	10.63				V

SOURCE: 0812MW07

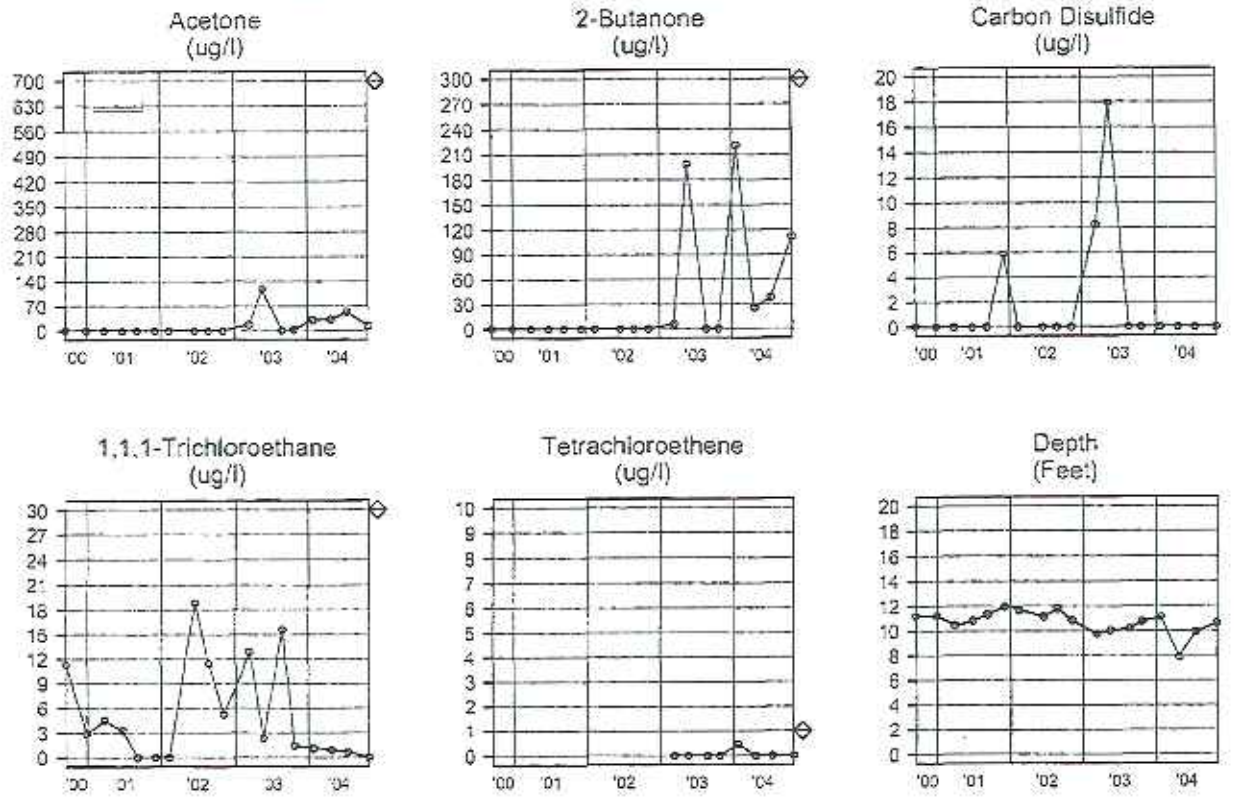
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14



SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

	Lab	Acetone	2-But anone	Carbon Di sulfide	Tetra chloro ethene	Depth					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	700	300	NLE	1	-					-
09/14/2000	FMETL	ND	ND	ND		7.23					V,S,P,M
12/27/2000	FMETL	ND	ND	ND		7.32					V,S,P,M
03/23/2001	FMETL	ND	ND	ND		6.56					V,S,P,M
06/22/2001	FMETL	ND	ND	ND		6.90					V,S,P,M
09/07/2001	FMETL	ND	ND	ND		7.52					V,S,P,M
12/03/2001	FMETL	ND	ND	ND		8.07					V,S,P,M
02/08/2002	FMETL	ND	ND	ND		7.82					V,S,P,M
06/13/2002	FMETL	ND	ND	ND		7.36					V,S,P,M
08/23/2002	FMETL	ND	ND	ND		8.03					V,S,P,M
11/07/2002	FMETL	ND	ND	ND		6.87					V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	6.68					V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	6.20					V,S,P,M
08/21/2003	FMETL	4.06	ND	ND	ND	6.35					V,S,P,M
10/22/2003	FMETL	5.52	3.85	ND	ND	6.58					V,S,P,M
01/22/2004	FMETL	5.22	10.62	3.06	0.46	6.35					V
04/22/2004	FMETL	ND	ND	ND	ND	5.75					V
07/14/2004	FMETL	ND	ND	ND	ND	6.24					V
10/28/2004	FMETL	ND	ND	ND	ND	6.77					V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/28/2004

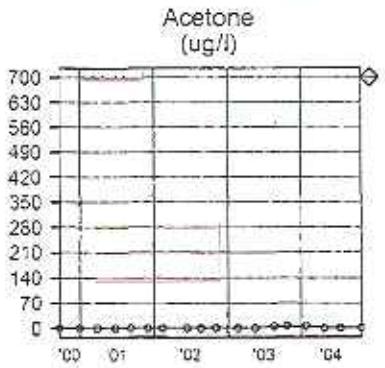
NOTES:

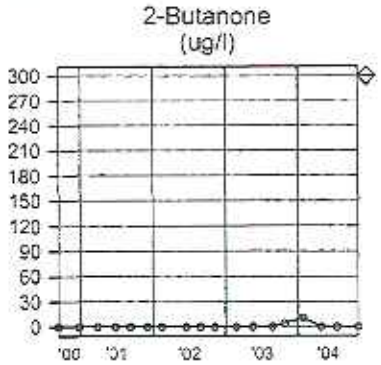
FORT MONMOUTH

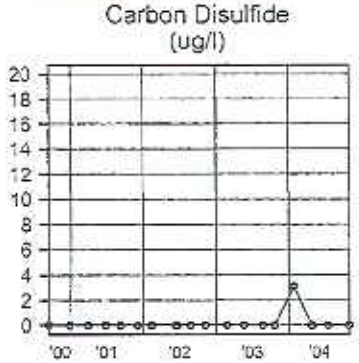
GW MONITORING
M-8 Bldg 697

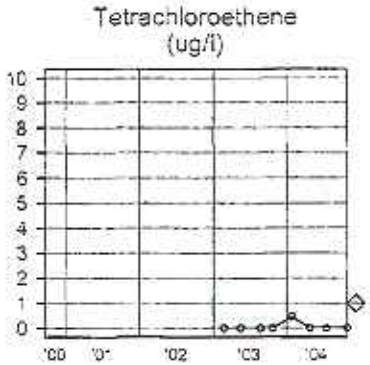
Source 8 of 14

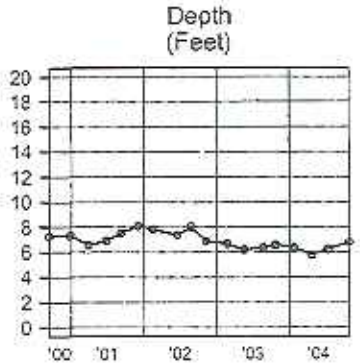
11-12-2004 (Cat045\ENVR_Data\Mech Data\812\812.WSF











SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/28/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

Source 8 of 14, Graph

11-12-2004_\\Cart04\ENVR_Data\MtechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
05/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.63									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS

SOURCE: 0812MW09

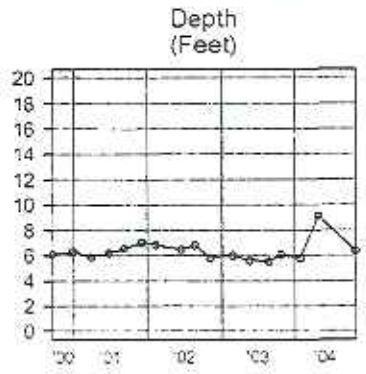
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

11-12-2004 \\Gar045\ENVR_Data\MtechData\812\812.WSP

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS

SOURCE: 0812MW10

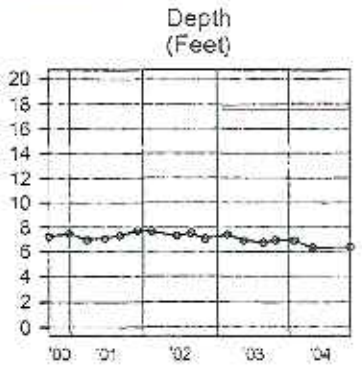
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS

SOURCE: 0812MW11

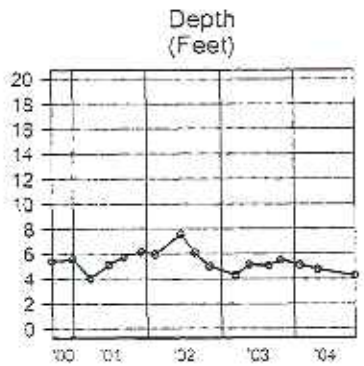
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 1 of 14



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

11-12-2004 \\Gar04b\ENVR_Data\MtnchData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/06/2002	FMETL	5.25									V,S,P,M
05/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS

SOURCE: 0812MW12

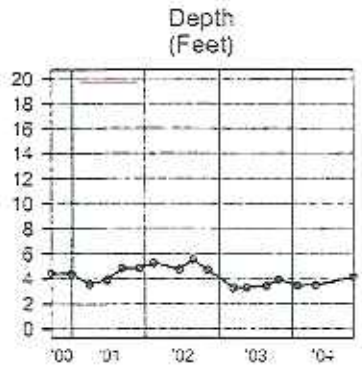
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

11-12-2004 \\Gar045\ENVR_Data\Mtech Data\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
05/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 11/01/2004

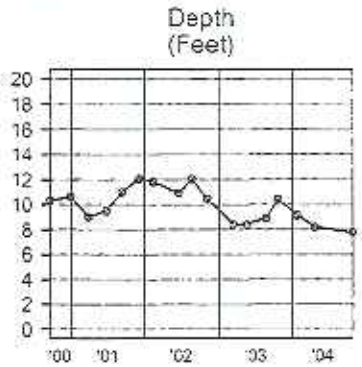
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

11-12-2004 \\Gar046\ENVR_Data\MtechData\812\812.WSF



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

Source 9 of 14, Graph

	Lab	Acetone	2-Butanone	Depth							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	700	300	-							-
09/14/2000	FMETL	ND	ND	8.65							V,S,P,M
09/14/2000D	FMETL	ND	ND	8.65							V,S,P,M
12/27/2000	FMETL	12.62	5.79	8.87							V,S,P,M
03/23/2001	FMETL	8.80	ND	8.27							V,S,P,M
06/22/2001	FMETL	ND	ND	8.46							V,S,P,M
06/22/2001D	FMETL	ND	ND	8.46							V,S,P,M
09/07/2001	FMETL	ND	ND	8.85							V,S,P,M
09/07/2001	FMETL	ND	ND	8.85							V,S,P,M
12/03/2001	FMETL	ND	ND	9.18							V,S,P,M
02/08/2002	FMETL	ND	ND	9.15							V,S,P,M
05/13/2002	FMETL	ND	ND	8.74							V,S,P,M
08/23/2002	FMETL	ND	ND	9.09							V,S,P,M
11/07/2002	FMETL	ND	ND	8.14							V,S,P,M
02/21/2003	FMETL	ND	ND	8.45							V,S,P,M
05/15/2003	FMETL	ND	ND	8.03							V,S,P,M
08/21/2003	FMETL	ND	ND	7.98							V,S,P,M
10/22/2003	FMETL	ND	ND	8.38							V,S,P,M
01/22/2004	FMETL	ND	ND	7.92							V
04/22/2004	FMETL	ND	ND	7.26							V
07/14/2004	FMETL	ND	ND	7.51							V
11/01/2004	FMETL	ND	ND	8.15							V

SOURCE: 0812MW14

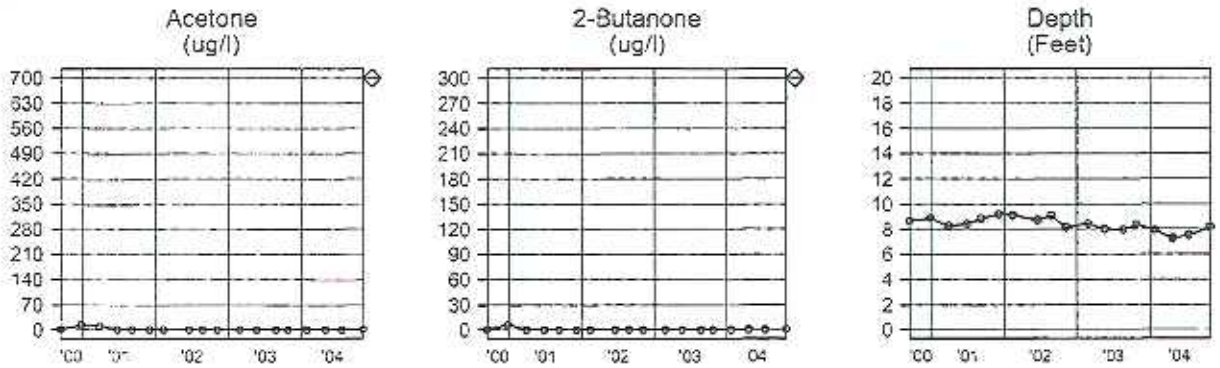
Sampling Dates:
09/14/2000 - 11/01/2004

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14



SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 11/01/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

11-12-2004 \\Car04S\ENVR_Data\MtechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5001904	0812MW01	29-42572	01/12/05
5001905	0812MW02	29-42573	01/12/05
Not Sampled	0812MW03	29-42574	Not Sampled
5001906	0812MW04	29-42575	01/12/05
5001907	0812MW05	29-42576	01/12/05
5001908	0812MW06	29-42577	01/12/05
5001909	0812MW07	29-42578	01/12/05
5001910	0812MW08	29-42579	01/12/05
Not Sampled	0812MW09	29-42580	Not Sampled
Not Sampled	0812MW10	29-42581	Not Sampled
Not Sampled	0812MW11	29-42582	Not Sampled
Not Sampled	0812MW12	29-42583	Not Sampled
Not Sampled	0812MW13	29-42584	Not Sampled
5001911	0812MW14	29-42888	01/12/05

NJDEP Laboratory Certification # 13461

2-16-05

Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608

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: #
( )DERA ( )OMA ( )Other:
Project No:
Location: 812
Samplers Name / Company: W. Funk /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15							Remarks / Preservation Method
J001A .01	TRIP BLANK	1-11-05	8:30	AQ	2	X							
.02	FIELD BLANK	1-11-05	11:00	AQ	2	X							
.03	DUP	1-11-05	11:35	AQ	2	X							
.04	MW #1	1-11-05	15:15	AQ	2	X							29-42572
.05	MW #2	1-11-05	15:45	AQ	2	X							29-42573
.06	MW #4	1-11-05	12:00	AQ	2	X							29-42575
.07	MW #5	1-11-05	13:45	AQ	2	X							29-42576
.08	MW #6	1-11-05	11:45	AQ	2	X							29-42577
.09	MW #7	1-11-05	13:55	AQ	2	X							29-42578
.10	* MW #8	1-11-05	11:30	AQ	2	X							29-42579
.11	MW #14	1-11-05	14:10	AQ	2	X							29-42888

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	1-13-05 1550	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (✓)Standard 3 wks, ( )Rush ___ Days, (_)ASAP Verbal ___ Hrs.

Remarks:

print legibly

COC.XLS12/23/2004

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 7.91 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.71 ft
(40.71) X .65 X 3 =79.38
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.81 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:26
pH 5.83 su — TEMP 14.88 °C
DISSOLVED O_2 1.36 mg/L — SPECIFIC CONDUCTIVITY 3567.0 µs/cm

PURGE END TIME: 15:09
pH 6.04 su — TEMP 15.56 °C
DISSOLVED O_2 3.13 mg/L — SPECIFIC CONDUCTIVITY 2644.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.78 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 15:15
pH 6.20 su — TEMP 15.58 °C
DISSOLVED O_2 0;46 mg/L — SPECIFIC CONDUCTIVITY 2713.0 µs/cm

SAMPLE END TIME: 15:17

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 6.08 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.83 ft
(41.83) X .65 X 3 = 81.56
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:42
pH 6.45 su — TEMP 15.34 °C
DISSOLVED O_2 2.19 mg/L — SPECIFIC CONDUCTIVITY 3344.0 µs/cm

PURGE END TIME: 15:39
pH 6.42 su — TEMP 16.16 °C
DISSOLVED O_2 2.42 mg/L — SPECIFIC CONDUCTIVITY 2743.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.32 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 15:45
pH 6.60 su — TEMP 16.22 °C
DISSOLVED O_2 2.09 mg/L — SPECIFIC CONDUCTIVITY 2763.0 µs/cm

SAMPLE END TIME: 15:46

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 0.08 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.54 ft
(6.54) X .65 X 3 = 12.75
GALLONS OF H_2O TO BE PURGED: 13 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: 10:36
pH 4.65 su — TEMP 9.21 °C
DISSOLVED O_2 2.46 mg/L — SPECIFIC CONDUCTIVITY 5635.0 µs/cm

PURGE END TIME: 11:35
pH 5.22 su — TEMP 10.16 °C
DISSOLVED O_2 5.77 mg/L — SPECIFIC CONDUCTIVITY 6344.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 12:00
pH 5.44 su — TEMP 10.15 °C
DISSOLVED O_2 3.54 mg/L — SPECIFIC CONDUCTIVITY 6000.0 µs/cm

SAMPLE END TIME: 12:02

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-28995
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy, Cool,
TIDE: N/A

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 8.72 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.87 ft
(8.87) X 0.65 X 3 – 17.29
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 12:26
pH 5.67 su — TEMP 15.01 °C
DISSOLVED O_2 0.94 mg/l. — SPECIFIC CONDUCTIVITY 5293 us/cm

PURGE END TIME: 13:40
pH 5.58 su — TEMP 15.72 °C
DISSOLVED O_2 3.04 mg/L — SPECIFIC CONDUCTIVITY 5086 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.18 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 13:45
pH 5.47 su — TEMP 15.45 °C
DISSOLVED O_2 0.88 mg/L — SPECIFIC CONDUCTIVITY 5095 us/cm

SAMPLE END TIME: 13:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 6.73 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.27 ft
(8.27) X .65 X 3 =16.12
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:21
pH 3.99 su — TEMP 14.18 °C
DISSOLVED O_2 3.42 mg/L — PECIFIC CONDUCTIVITY 3553.0 µs/cm

PURGE END TIME: 11:31
pH 4.03 su — TEMP 14.35 °C
DISSOLVED O_2 5.63 mg/L — SPECIFIC CONDUCTIVITY 3212.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:45
pH 4.00 su — TEMP 14.39 °C
DISSOLVED O_2 3.66 mg/L. — SPECIFIC CONDUCTIVITY 3116.0 µs/cm

SAMPLE END TIME: 11:47

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 10.00 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.31 ft
(7.31) X .65 X 3 =14.25
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.00 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:42
pH 5.72 su — TEMP 14.24 °C
DISSOLVED O_2 1.02 mg/L — SPECIFIC CONDUCTIVITY 4135.0 µs/cm

PURGE END TIME: 13:43
pH 5.43 su — TEMP 15.64 °C
DISSOLVED O_2 0.94 mg/L — SPECIFIC CONDUCTIVITY 4047.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.26 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 13:55
pH 5.30 su — TEMP 15.61 °C
DISSOLVED O_2 0.86 mg/L — SPECIFIC CONDUCTIVITY 3993.0 µs/cm

SAMPLE END TIME: 13:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 6.11 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.15 ft
(9.15) X .65 X 3 =17.84
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:03
pH 3.97 su — TEMP 15.48 °C
DISSOLVED O_2 2.06 mg/L — SPECIFIC CONDUCTIVITY 4170.0 µs/cm

PURGE END TIME: 11:21
pH 4.15 su — TEMP 15.65 °C
DISSOLVED O_2 3.55 mg/L — SPECIFIC CONDUCTIVITY 3267.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.72 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:30
pH 4.17 su — TEMP 15.81 °C
DISSOLVED O_2 1.55 mg/L — SPECIFIC CONDUCTIVITY 3200.0 µs/cm

SAMPLE END TIME: 11:34

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/12/05
WEATHER: Cloudy and 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: 7.53 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.12 ft
(7.12) X .65 X 3 =13.88
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:59
pH 5.84 su — TEMP 12.59 °C
DISSOLVED O_2 2.47 mg/L — SPECIFIC CONDUCTIVITY 4783.0 µs/cm

PURGE END TIME: 14:00
pH 5.51 su — TEMP 13.54 °C
DISSOLVED O_2 1.59 mg/L — SPECIFIC CONDUCTIVITY 3978.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 14:10
pH 5.51 su — TEMP 13.63 °C
DISSOLVED O_2 1.54 mg/L — SPECIFIC CONDUCTIVITY 3811.0 µs/cm

SAMPLE END TIME: 14:10

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB018500.D	Sample Name	MB 19Jan05
Operator	Skelton	Field ID	MB 19Jan05
Date Acquired	19 Jan 2005 2:40 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl Alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m/p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept 93

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/9/2005 1:59 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 19Jan05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 19Jan05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018500.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018504.D	Sample Name	5001901
Operator	Skelton	Field ID	Trip Blank
Date Acquired	19 Jan 2005 5:37 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001901

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018504.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018505.D	Sample Name	5001902
Operator	Skelton	Field ID	Field Blank
Date Acquired	19 Jan 2005 6:18 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1 Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans 1,2 Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1 Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2 Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.37 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3 Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans 1,3 Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2 Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2 Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001902

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018505.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018506.D	Sample Name	5001903
Operator	Skelton	Field ID	Dupe
Date Acquired	19 Jan 2005 6:59 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1 Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m,p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3 Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-03

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001903

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018506.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018507.D	Sample Name	5001904
Operator	Skelton	Field ID	MW#1
Date Acquired	19 Jan 2005 7:41 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MW#1**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001904

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018507.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018508.D	Sample Name	5001905
Operator	Skelton	Field ID	MW#2
Date Acquired	19 Jan 2005 8:21 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/9/2005 1:59 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#2

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001905

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018508.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VH018509.D	Sample Name	5001906
Operator	Skelton	Field ID	MW04
Date Acquired	19 Jan 2005 9:02 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.37	1290254	30.64 ug/L	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.23 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.89	157223	156.15 ug/L	700	5.38 ug/L	2.00 ug/L	E
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.18	56753	1.54 ug/L	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.60	38970	57.21 ug/L	300	0.90 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene	15.86	31240	1.19 ug/L	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.29 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	45480	0.46 ug/L	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	n/c	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene	22.68	818832	7.26 ug/L	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.74	4166948	32.42 ug/L	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m,p-Xylenes	26.01	2043516	44.98 ug/L	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.84	3159066	39.23 ug/L	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related Blank
E = Value above linear range
D = Value from dilution
PQL = Projected Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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

Data File	VB018522.D	Sample Name	5001906
Operator	Skelton	Field ID	MW#4
Date Acquired	20 Jan 2005 8:01 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	7.85 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	12.35 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.70 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.50 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.85 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	2.30 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.50 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride	5.39	203320	25.02 ug/L	5	1.00 ug/L	10.00 ug/L	D
74-83-9	Bromomethane			not detected	10	1.25 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.35 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.30 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.35 ug/L	10.00 ug/L	
67-64-1	Acetone	11.91	41577	214.79 ug/L	700	26.90 ug/L	10.00 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	0.80 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.25 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	1.00 ug/L	10.00 ug/L	
78-93-3	2-Butanone	17.63	9844	74.88 ug/L	300	4.50 ug/L	10.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	70	1.40 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.90 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.35 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.00 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.00 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.10 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.65 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.90 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.90 ug/L	10.00 ug/L	
108-88-3	Toluene	22.68	170982	7.46 ug/L	1000	1.25 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.70 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.25 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.30 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.45 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.20 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.50 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.73	796456	31.83 ug/L	700	1.40 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.00	380053	43.99 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.84	577860	36.87 ug/L	nle	1.20 ug/L	10.00 ug/L	D
100-42-5	Styrene			not detected	100	1.70 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.20 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.20 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.20 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.25 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.35 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#4

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001906

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018509.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000115-11-7	1-Propene, 2-methyl-	5.20	27	JN
2. 000103-65-1	Benzene, propyl-	28.24	33	JN
3. 000622-96-8	Benzene, 1-ethyl-4-methyl-	28.41	54	JN
4. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.59	78	JN
5. 000622-96-8	Benzene, 1-ethyl-4-methyl-	29.03	59	JN
6. 000526-73-8	Benzene, 1,2,3-trimethyl-	29.36	210	JN
7. 000535-77-3	Benzene, 1-methyl-3-(1-methylet	29.84	28	JN
8. 000108-67-8	Benzene, 1,3,5-trimethyl-	30.22	50	JN
9.	unknown	30.51	43	J
10. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	30.57	27	JN

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

Data File	VB018510.D	Sample Name	5001907
Operator	Skelton	Field ID	MW05
Date Acquired	19 Jan 2005 9:44 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.88	93639	3.87 ug/L	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene	9.28	24328	0.54 ug/L	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.24	472727	11.70 ug/L	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	100	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.19	1876380	32.14 ug/L	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride	17.19	229784	4.83 ug/L	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.48	26779	0.68 ug/L	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#5

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001907

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018510.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	15.35	12	J
2. 000071-36-3	1-Butanol	20.38	6	JN
3. 000095-63-6	Benzene, 1,2,4-trimethyl-	29.36	3	JN

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

Data File	VH018511.D	Sample Name	5001908
Operator	Skelton	Field ID	MW#6
Date Acquired	19 Jan 2005 10:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#6

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001908

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018511.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VH018512.D	Sample Name	5001909
Operator	Skelton	Field ID	MW#7
Date Acquired	19 Jan 2005 11:06 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.94	28238	26.69 ug/L	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2 Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.25	51854	1.32 ug/L	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.61	38393	53.29 ug/L	300	0.90 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4 Methyl 2 Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2 Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB018525.D	Sample Name	5001909
Operator	Skelton	Field ID	MW#7
Date Acquired	20 Jan 2005 10:03 am	Sample Multiplier	2

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	3.14 ug/L	40.00 ug/L	
107131	Acrylonitrile			not detected	50	4.94 ug/L	40.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	17.08 ug/L	40.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.60 ug/L	4.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.74 ug/L	4.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.92 ug/L	4.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.60 ug/L	4.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	4.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.50 ug/L	4.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.54 ug/L	4.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.52 ug/L	4.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.54 ug/L	4.00 ug/L	
67-64-1	Acetone	11.94	24796	51.40 ug/L	700	10.76 ug/L	4.00 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	0.32 ug/L	4.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.10 ug/L	4.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.50 ug/L	4.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.64 ug/L	4.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.40 ug/L	4.00 ug/L	
78-93-3	2-Butanone	17.62	24970	76.22 ug/L	300	1.80 ug/L	4.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.56 ug/L	4.00 ug/L	
67-66-3	Chloroform			not detected	6	0.76 ug/L	4.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	4.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.40 ug/L	4.00 ug/L	
71-43-2	Benzene			not detected	1	0.40 ug/L	4.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.44 ug/L	4.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.56 ug/L	4.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.66 ug/L	4.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.50 ug/L	4.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.50 ug/L	4.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.36 ug/L	4.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.76 ug/L	4.00 ug/L	
108-88-3	Toluene			not detected	1000	0.50 ug/L	4.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.28 ug/L	4.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.50 ug/L	4.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.52 ug/L	4.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.58 ug/L	4.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.48 ug/L	4.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.60 ug/L	4.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.56 ug/L	4.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.26 ug/L	8.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.48 ug/L	4.00 ug/L	
100-42-5	Styrene			not detected	100	0.68 ug/L	4.00 ug/L	
75-25-2	Bromoform			not detected	4	0.48 ug/L	4.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.48 ug/L	4.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.48 ug/L	4.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.50 ug/L	4.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.54 ug/L	4.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

U = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/9/2005 2:00 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#7

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001909

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018512.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018813.D	Sample Name	S001910
Operator	Skelton	Field ID	MW#8
Date Acquired	19 Jan 2005 11:47 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Diisopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-93

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#8

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001910

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018513.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/19/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB018514.D	Sample Name	5001911
Operator	Skelton	Field ID	MW#14
Date Acquired	20 Jan 2005 12:28 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di isopropyl ether			not detected	nle	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	5.38 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	4000	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.24 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of MCLs and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sep-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50019 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5001911

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018514.D

Level: (low/med) LOW Date Received: 1/12/2005

% Moisture: not dec. Date Analyzed: 1/20/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

	Lab	2-Butanone	Depth							Notes
Units:	-	ug/l	Feet							-
NJDEP Criteria:	-	300	-							-
09/09/2000	FMETL	ND	8.97							V,S,P,M
09/09/2000D	FMETL	ND	8.97							V,S,P,M
12/27/2000	FMETL	ND	8.94							V,S,P,M
03/16/2001	FMETL	ND	8.48							V,S,P,M
06/21/2001	FMETL	ND	8.54							V,S,P,M
06/21/2001D	FMETL	ND	8.54							V,S,P,M
08/27/2001	FMETL	ND	9.16							V,S,P,M
11/27/2001	FMETL	ND	9.73							V,S,P,M
02/06/2002	FMETL	ND	9.44							V,S,P,M
06/28/2002	FMETL	ND	9.15							V,S,P,M
08/28/2002	FMETL	ND	10.03							V,S,P,M
11/14/2002	FMETL	ND	8.88							V,S,P,M
03/14/2003	FMETL	5.26	8.26							V,S,P,M
05/15/2003	FMETL	ND	7.57							V,S,P,M
08/20/2003	FMETL	ND	7.80							V,S,P,M
10/20/2003	FMETL	ND	8.52							V,S,P,M
01/22/2004	FMETL	ND	8.21							V
04/22/2004	FMETL	ND	7.2							V
07/14/2004	FMETL	ND	7.85							V
10/28/2004	FMETL	ND	8.16							V
01/12/2005	FMETL	ND	7.91							V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/12/2005

NOTES:

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Source 12 of 14

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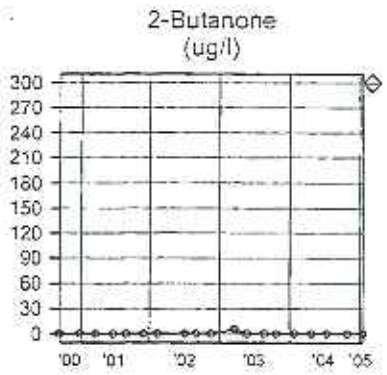

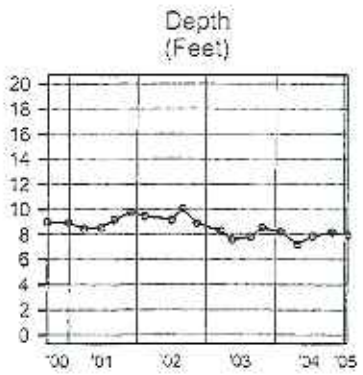

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 12 of 14, Graph

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	Lab	Carbon Di sulfide	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/09/2000	FMETL	4.27	6.67								V,S,P,M
12/27/2000	FMETL	ND	6.93								V,S,P,M
03/16/2001	FMETL	ND	6.06								V,S,P,M
06/21/2001	FMETL	ND	5.98								V,S,P,M
08/27/2001	FMETL	ND	6.87								V,S,P,M
11/27/2001	FMETL	ND	7.95								V,S,P,M
02/06/2002	FMETL	ND	8.25								V,S,P,M
06/28/2002	FMETL	ND	8.66								V,S,P,M
08/28/2002	FMETL	ND	7.67								V,S,P,M
11/14/2002	FMETL	ND	6.67								V,S,P,M
03/14/2003	FMETL	ND	5.54								V,S,P,M
05/15/2003	FMETL	ND	6.43								V,S,P,M
08/20/2003	FMETL	ND	6.03								V,S,P,M
10/20/2003	FMETL	ND	6.14								V,S,P,M
01/22/2004	FMETL	ND	5.76								V
04/22/2004	FMETL	ND	3.1								V
07/14/2004	FMETL	ND	6.27								V
10/28/2004	FMETL	ND	6.43								V
01/12/2005	FMETL	ND	6.08								V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/12/2005

NOTES:

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Source 13 of 14

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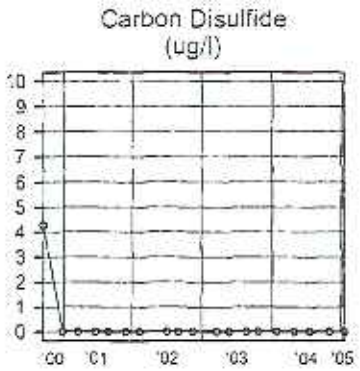

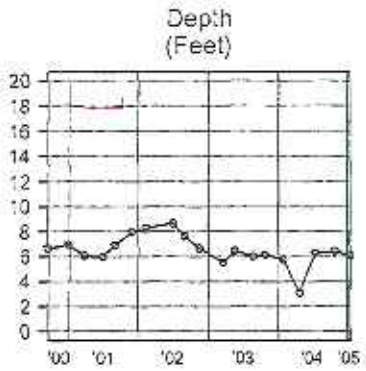

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/12/2005

LEGEND:

PARAMETER

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NJDEP Criteria

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Source 13 of 14, Graph

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	Lab	2-Butanone	Vinyl Chloride	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	Benzene	4-Methyl-2-Pentanone	Ethylbenzene	T Xylenes	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	5	100	10	1	400	700	40	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.58	ND	136.41	120.22	4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.61	406.83	4.17	60.72	72.16	191.02	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	5.72	20.48	32.16	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	ND	8.70	8.51	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	ND	98.01	126.76	301.23	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	60.82	125.92	3.51	ND	53.73	114.73	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	144.23	98.1	236.34	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	166.9	509.55	8.04	142.98	182.38	302.66	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	86.52	94.11	211.4	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.75	ND	ND	1.24	ND	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	2.67	38.58	88.36	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	ND	ND	7.60	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	6.38	37.35	ND	ND	9.01	20.7	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	ND	9.55	26.61	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	1.02	2.54	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	2.55	ND	3.28	ND	50.49	178.83	4.49	V
01/12/2005	FMETL	74.88	30.64	1.54	1.19	0.46	ND	32.42	64.21	0.08	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/12/2005

NOTES:

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Source 11 of 14

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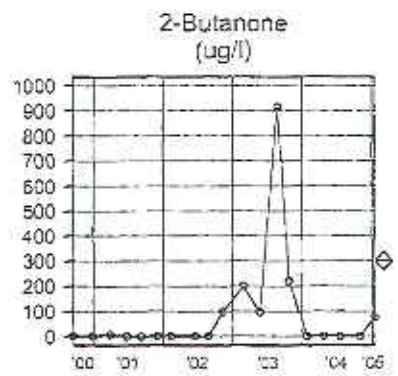

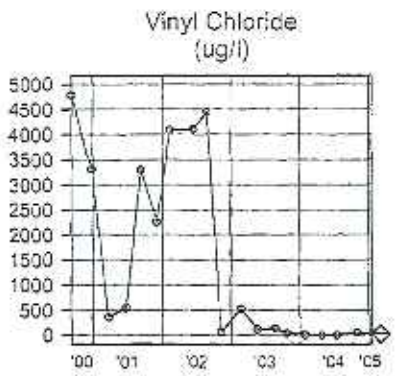

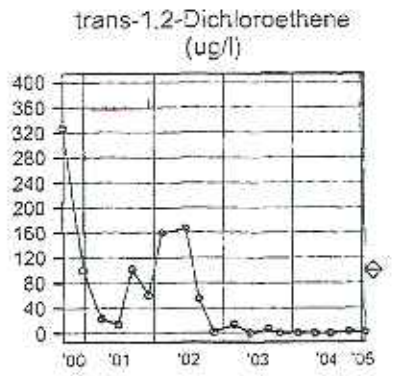

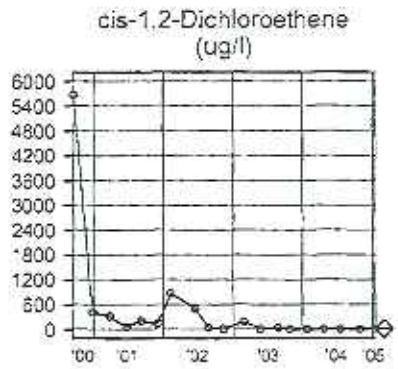

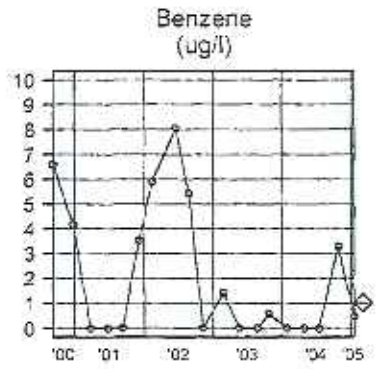

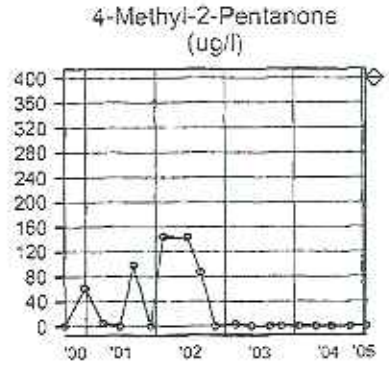

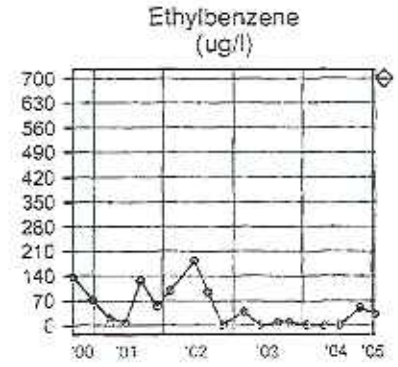

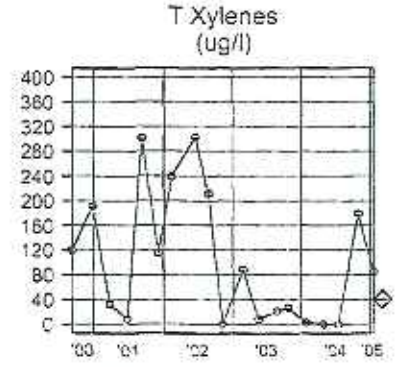

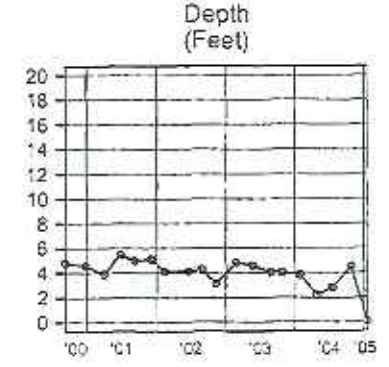

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 11 of 14, Graph

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	Lab	Acetone	2-But anone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria	-	700	300	NLE	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	13.04		9.83				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	1.58		10.12				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	5.77		8.83				V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	4.62		8.83				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	10.94		9.54				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		10.38				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	2.06		11.16				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	2.27		10.87				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	5.66		10.25				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	5.83		11.13				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	29.36		9.85				V,S,P,M
03/07/2003	FMETL	33.87	5.90	4.93	14.49	ND	8.17				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	8.16	ND	8.40				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	16.8	ND	8.85				V,S,P,M
10/22/2003	FMETL	3.48	ND	ND	9.47	ND	9.75				V,S,P,M
01/22/2004	FMETL	16.53	140.15	ND	17.26	0.44	8.78				V
04/22/2004	FMETL	293.94	123.5	5.69	32.95	0.7	9.48				V
07/14/2004	FMETL	80.20	83.49	ND	38.23	0.86	8.89				V
11/01/2004	FMETL	4.50	4.11	ND	11.17	ND	9.70				V
01/12/2005	FMETL	ND	ND	ND	32.14	0.68	8.72				V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/12/2005

NOTES:

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Source 10 of 14

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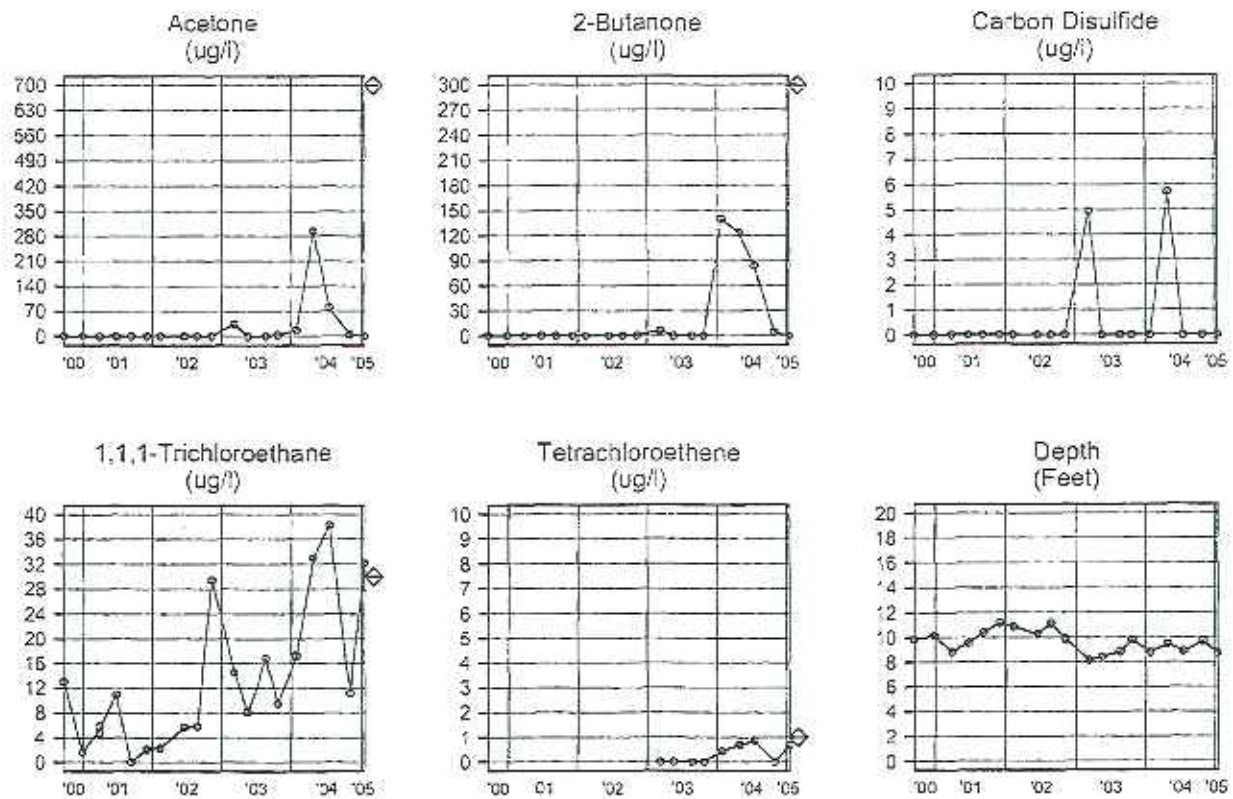

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/12/2005

LEGEND:

PARAMETER

□ = Date Sampled

NJDEP Criteria

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Source 10 of 14, Graph

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.83									V,S,P,V
12/27/2000	FMETL	7.98									V,S,P,V
03/23/2001	FMETL	5.99									V,S,P,M
05/22/2001	FMETL	7.45									V,S,P,M
09/07/2001	FMETL	8.37									V,S,P,M
12/03/2001	FMETL	8.75									V,S,P,M
12/03/2001D	FMETL	8.75									V,S,P,M
02/08/2002	FMETL	8.46									V,S,P,M
06/13/2002	FMETL	7.98									V,S,P,M
08/23/2002	FMETL	8.72									V,S,P,M
11/07/2002	FMETL	7.65									V,S,P,M
03/07/2003	FMETL	6.44									V,S,P,M
05/15/2003	FMETL	6.38									V,S,P,M
08/21/2003	FMETL	6.99									V,S,P,M
10/22/2003	FMETL	7.56									V,S,P,M
01/22/2004	FMETL	6.94									V
04/22/2004	FMETL	6.22									V
07/14/2004	FMETL	6.82									V
10/26/2004	FMETL	7.49									V
01/12/2005	FMETL	6.73									V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/12/2005

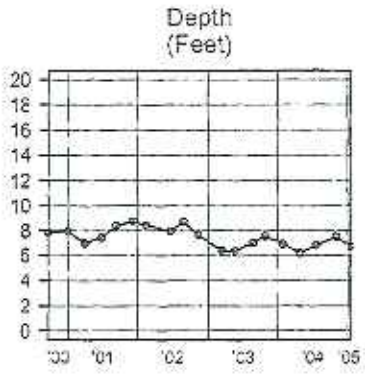
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14

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



SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

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

02-16-2005 \\monm54\envr_data\Mtech Data\812\812.WSF

	Lab	Acetone	2-Butanone	Carbon Disulfide	1,1,1-Trichloroethane	Depth					Notes
Units:	-	ug/l	ug/l	ug/l	Lg/l	Feet					-
NJDEP Criteria:	-	700	300	NLE	30	-					-
09/14/2000	FMETL	ND	ND	ND	11.29	11.19					V,S,P,M
12/27/2000	FMETL	ND	ND	ND	2.91	11.22					V,S,P,M
03/23/2001	FMETL	ND	ND	ND	4.49	10.47					V,S,P,M
06/22/2001	FMETL	ND	ND	ND	3.24	10.80					V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	11.33					V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	11.96					V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	11.70					V,S,P,M
06/13/2002	FMETL	ND	ND	ND	18.81	11.17					V,S,P,M
08/23/2002	FMETL	ND	ND	ND	11.38	11.80					V,S,P,M
11/07/2002	FMETL	ND	ND	ND	5.26	10.83					V,S,P,M
03/07/2003	FMETL	17.62	6.21	8.27	12.84	9.76					V,S,P,M
05/15/2003	FMETL	116.46	198.04	17.95	2.37	10.02					V,S,P,M
08/21/2003	FMETL	1.81	ND	ND	15.54	10.18					V,S,P,M
10/22/2003	FMETL	2.60	ND	ND	1.44	10.75					V,S,P,M
01/22/2004	FMETL	29.78	220.85	ND	1.12	11.11					V
04/22/2004	FMETL	31.58	25.54	ND	0.91	7.88					V
07/14/2004	FMETL	53.22	37.80	ND	0.64	9.90					V
11/01/2004	FMETL	13.14	111.58	ND	ND	10.63					V
01/12/2005	FMETL	26.69	76.22	ND	ND	10.00					V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/12/2005

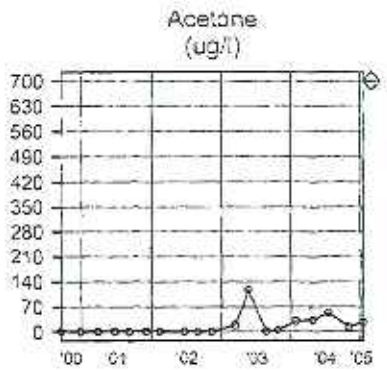
NOTES:

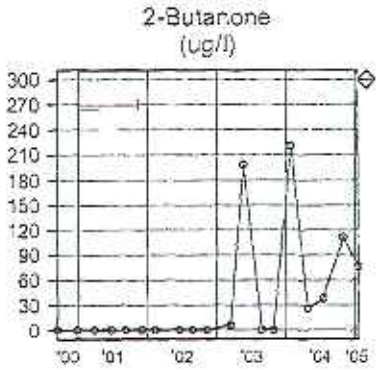
FORT MONMOUTH

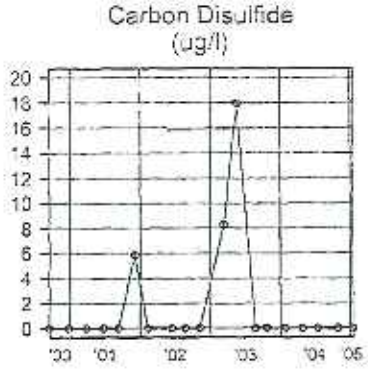
GW MONITORING
M-8 Bldg 697

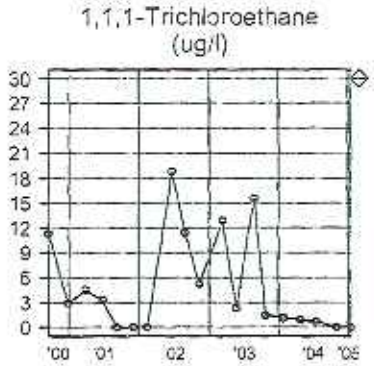
Source 7 of 14

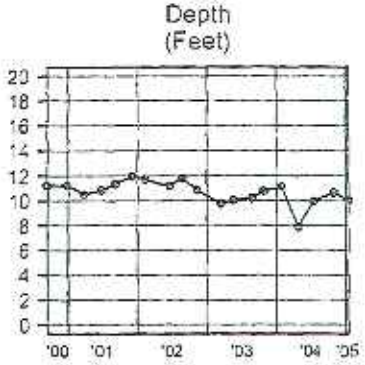
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

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

02-15-2005 \\mor-m545\env_data\MachData\812\812.WSF

	Lab	Acetone	2-Butanone	Depth							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria	-	700	300	-							-
09/14/2000	FMETL	ND	ND	7.23							V,S,P,M
12/27/2000	FMETL	ND	ND	7.32							V,S,P,M
03/23/2001	FMETL	ND	ND	6.56							V,S,P,M
06/22/2001	FMETL	ND	ND	6.90							V,S,P,M
09/07/2001	FMETL	ND	ND	7.52							V,S,P,M
12/03/2001	FMETL	ND	ND	8.07							V,S,P,M
02/08/2002	FMETL	ND	ND	7.82							V,S,P,M
06/13/2002	FMETL	ND	ND	7.35							V,S,P,M
08/23/2002	FMETL	ND	ND	8.03							V,S,P,M
11/07/2002	FMETL	ND	ND	6.87							V,S,P,M
02/21/2003	FMETL	ND	ND	6.68							V,S,P,M
05/15/2003	FMETL	ND	ND	6.20							V,S,P,M
08/21/2003	FMETL	4.06	ND	6.35							V,S,P,M
10/22/2003	FMETL	5.52	3.85	6.58							V,S,P,M
01/22/2004	FMETL	5.22	10.62	6.35							V
04/22/2004	FMETL	ND	ND	5.75							V
07/14/2004	FMETL	ND	ND	6.24							V
10/28/2004	FMETL	ND	ND	6.77							V
01/12/2005	FMETL	ND	ND	6.11							V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/12/2005

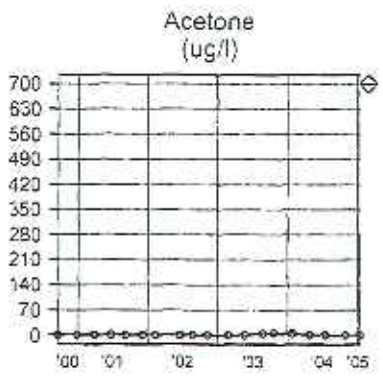
NOTES:

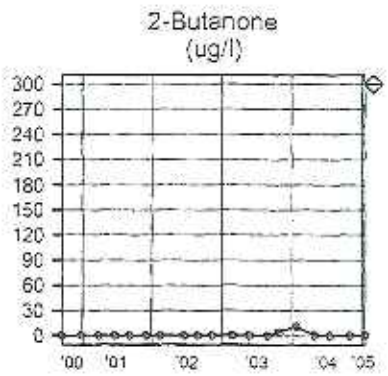
FORT MONMOUTH

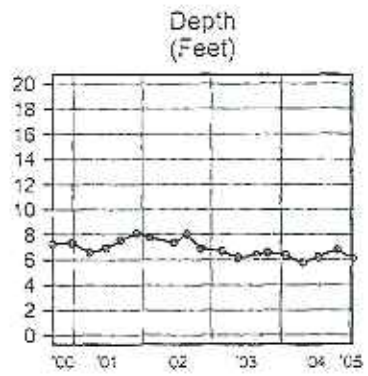
GW MONITORING
M-8 Bldg 697

Source 8 of 14

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







SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

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

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	Lab	Acetone	2-Butanone	Depth							Notes
Units:	-	ug/l	ug/l	Feet							-
NJDEP Criteria:	-	700	300	-							-
09/14/2000	FMETL	ND	ND	8.65							V,S,P,M
09/14/2000D	FMETL	ND	ND	8.65							V,S,P,M
12/27/2000	FMETL	12.62	5.79	8.67							V,S,P,M
03/23/2001	FMETL	8.80	ND	8.27							V,S,P,M
06/22/2001	FMETL	ND	ND	8.46							V,S,P,M
06/22/2001D	FMETL	ND	ND	8.46							V,S,P,M
09/07/2001	FMETL	ND	ND	8.85							V,S,P,M
09/07/2001	FMETL	ND	ND	8.85							V,S,P,M
12/03/2001	FMETL	ND	ND	9.13							V,S,P,M
02/08/2002	FMETL	ND	ND	9.15							V,S,P,M
06/13/2002	FMETL	ND	ND	8.74							V,S,P,M
08/23/2002	FMETL	ND	ND	9.09							V,S,P,M
11/07/2002	FMETL	ND	ND	8.14							V,S,P,M
02/21/2003	FMETL	ND	ND	8.45							V,S,P,M
05/15/2003	FMETL	ND	ND	8.03							V,S,P,M
08/21/2003	FMETL	ND	ND	7.98							V,S,P,M
10/22/2003	FMETL	ND	ND	8.38							V,S,P,M
01/22/2004	FMETL	ND	ND	7.92							V
04/22/2004	FMETL	ND	ND	7.26							V
07/14/2004	FMETL	ND	ND	7.51							V
11/01/2004	FMETL	ND	ND	8.15							V
01/12/2005	FMETL	ND	ND	7.53							V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/12/2005

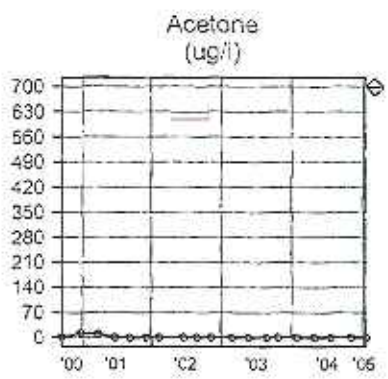
NOTES:

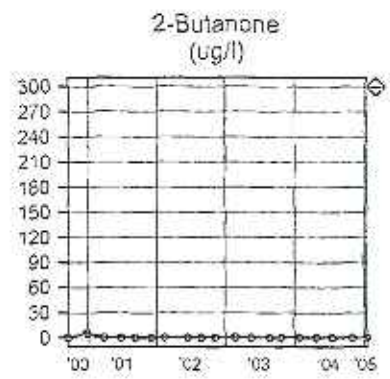
FORT MONMOUTH

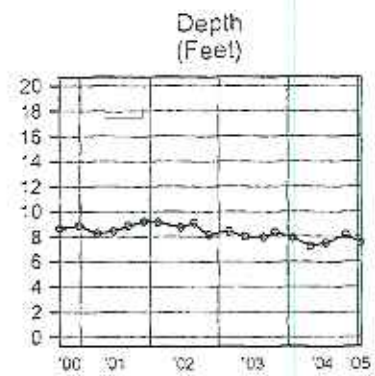
GW MONITORING
M-8 Bldg 697

Source 6 of 14

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







SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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

02-16-2005 \\nonm545\envr_data\MechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5019804	0812MW01	29-42572	04/12/05
5019805	0812MW02	29-42573	04/12/05
Not Sampled	0812MW03	29-42574	----------
5019806	0812MW04	29-42575	04/12/05
5019807	0812MW05	29-42576	04/12/05
5019808	0812MW06	29-42577	04/12/05
5019809	0812MW07	29-42578	04/12/05
5019810	0812MW08	29-42579	04/12/05
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
5019811	0812MW14	29-42888	04/12/05

NJDEP Laboratory Certification # 13461

4-28-05
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: D. Gardner
Phone: # X29826
( )DERA ( )OMA ( )Other:
Project No:
Location: 812 2ND STR 05
Samplers Name / Company: /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15								Remarks / Preservation Method
50198.01	TRIP BLANK	4-12-05	7:50	AQ	2	X								
.02	FIELD BLANK	4-12-05	9:45	AQ	2	X								
.03	DUP	4-12-05	14:40	AQ	2	X								
.04	MW#1	4-12-05	15:00	AQ	2	X								29-42572
.05	MW#2	4-12-05	15:10	AQ	2	X								29-42573
.06	MW#4	4-12-05	10:00	AQ	2	X								29-42575
.07	MW#5	4-12-05	14:55	AQ	2	X								29-42576
.08	MW#6	4-12-05	10:45	AQ	2	X								29-42577
.09	MW#7	4-12-05	14:50	AQ	2	X								29-42578
.10	MW#8	4-12-05	12:00	AQ	2	X								29-42579
.11	MW#14 *	4-12-05	14:40	AQ	2	X								29-42888

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[illegible]	4/12/05 15:38	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (✓)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (_)Standard 3 wks, (_)Rush __ Days, (_)ASAP Verbal ___ Hrs.

Remarks:

print legibly

COC.XLS2/1/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 7.01 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.61 ft
(41.61) X .65 X 3 =81.13
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:47
pH 6.31 su — TEMP 12.44 °C
DISSOLVED O_2 0.68 mg/L — SPECIFIC CONDUCTIVITY 4419.0 µs/cm

PURGE END TIME: 14:49
pH 6.21 su — TEMP 14.21 °C
DISSOLVED O_2 0.77 mg/L — SPECIFIC CONDUCTIVITY 5620.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.18 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:00
pH 6.09 su — TEMP 14.84 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 4429.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 5.05 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.86 ft
(42.86) X .65 X 3 = 83.57
GALLONS OF H_2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:01
pH 6.54 su — TEMP 12.59 °C
DISSOLVED O_2 0.88 mg/L — SPECIFIC CONDUCTIVITY 4180.0 µs/cm

PURGE END TIME: 15:06
pH 6.16 su — TEMP 15.31 °C
DISSOLVED O_2 0.88 mg/L — SPECIFIC CONDUCTIVITY 4187.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.26 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 15:10
pH 6.32 su — TEMP 15.32 °C
DISSOLVED O_2 0.91 mg/L — SPECIFIC CONDUCTIVITY 4173.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.63 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 1.62 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 5.00 ft
(5.00) X .65 X 3 = 9.75
GALLONS OF H_2O TO BE PURGED: 10 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:12
pH 5.50 su — TEMP 10.27 °C
DISSOLVED O_2 0.98 mg/L — SPECIFIC CONDUCTIVITY 9818.0 µs/cm

PURGE END TIME: 09:56
pH 5.56 su — TEMP 10.62 °C
DISSOLVED O_2 0.69 mg/L — SPECIFIC CONDUCTIVITY 21681.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.77 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 10 gal

SAMPLE START TIME: 10:00
pH 5.61 su — TEMP 10.58 °C
DISSOLVED O_2 0.73 mg/L — SPECIFIC CONDUCTIVITY 20882.0 µs/cm

SAMPLE END TIME: 10:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 7.89 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.70 ft
(9.70) X .65 X 3 =18.91
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:19
pH 5.43 su — TEMP 11.81 °C
DISSOLVED O_2 0.91 mg/L — PECIFIC CONDUCTIVITY 35604.0 µs/cm

PURGE END TIME: 14:42
pH 5.12 su — TEMP 12.24 °C
DISSOLVED O_2 0.87 mg/L — SPECIFIC CONDUCTIVITY 27823.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.13 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:55
pH 5.18 su — TEMP 12.16 °C
DISSOLVED O_2 0.93 mg/L — SPECIFIC CONDUCTIVITY 28097.0 µs/cm

SAMPLE END TIME: 14:55

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 6.07 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.93 ft
(6.93) X .65 X 3 =17.41
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25
pH 4.42 su
DISSOLVED O_2 0.74 mg/L
TEMP 11.46 °C
PECIFIC CONDUCTIVITY 9619.0 µs/cm

PURGE END TIME: 10:39
pH 4.07 su
DISSOLVED O_2 0.77 mg/L
TEMP 11.76 °C
SPECIFIC CONDUCTIVITY 10189.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.31 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:45
pH 3.98 su
DISSOLVED O_2 0.82 mg/L
TEMP 11.71 °C
SPECIFIC CONDUCTIVITY 10071.0 µs/cm

SAMPLE END TIME: 10:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 9.27 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.04 ft
(8.04) X .65 X 3 =15.67
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:29
pH 5.14 su — TEMP 12.56 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 14289.0 µs/cm

PURGE END TIME: 14:39
pH 5.32 su — TEMP 12.95 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 18289.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.63 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 14:50
pH 5.26 su — TEMP 12.67 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 17290.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 5.78 ft
DEPTH OF WELL: 15.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.84 ft
(9.84) X .65 X 3 =19.18
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:34
pH 4.57 su — TEMP 12.89 °C
DISSOLVED O_2 0.76 mg/L — SPECIFIC CONDUCTIVITY 18772.0 µs/cm

PURGE END TIME: 11:57
pH 4.45 su — TEMP 13.41 °C
DISSOLVED O_2 0.78 mg/L — SPECIFIC CONDUCTIVITY 13528.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.17 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:00
pH 3.92 su — TEMP 13.26 °C
DISSOLVED O_2 0.91 mg/L — SPECIFIC CONDUCTIVITY 13935.0 µs/cm

SAMPLE END TIME: 12:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.19 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.31 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.42 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.27 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.81 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/05
WEATHER: Clear and 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: 7.12 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.53 ft
(7.53) X .65 X 3 =14.68
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:41
pH 5.15 su — TEMP 11.55 °C
DISSOLVED O_2 0.93 mg/L — SPECIFIC CONDUCTIVITY 53664.0 µs/cm

PURGE END TIME: 14:36
pH 5.07 su — TEMP 11.61 °C
DISSOLVED O_2 0.87 mg/L — SPECIFIC CONDUCTIVITY 40436.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.68 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:40
pH 5.03 su — TEMP 11.61 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 38245.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS: DUP. Here.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB019137.D	Sample Name	MB 22Apr05
Operator	Skelton	Field ID	MB 22Apr05
Date Acquired	22 Apr 2005 2:13 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	70000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	1000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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4/27/2005 1:37 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 22Apr05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 22Apr05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019137.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019174.D	Sample Name	MB 25Apr05
Operator	Skelton	Field ID	MB 25Apr05
Date Acquired	25 Apr 2005 4:31 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.95	65209	5.03 ug/L	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	500	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	3	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	100	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	30	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
RL = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 25Apr05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 25Apr05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019174.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/25/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019138.D	Sample Name	5019801
Operator	Skelton	Field ID	Trip Blank
Date Acquired	22 Apr 2005 3:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Interim Criteria as per N.J.A.C. 7:9 6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019801

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019138.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VH019139.D	Sample Name	5019802
Operator	Skelton	Field ID	Field Blank
Date Acquired	22 Apr 2005 3:46 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	70000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	n/e	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	n/e	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	n/e	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	n/e	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	n/e	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	n/e	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019802

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019139.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019140.D	Sample Name	5019803
Operator	Skelton	Field ID	Dupe
Date Acquired	22 Apr 2005 4:27 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	300	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	3000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019803

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019140.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019141.D	Sample Name	5019804
Operator	Skelton	Field ID	MW#1
Date Acquired	22 Apr 2005 5:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	3	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#1

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019804

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019141.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000420-56-4	Silane, fluorotrimethyl-	6.16	4	JN
2.	unknown	16.67	11	J

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

Data File	VB019142.D	Sample Name	5019805
Operator	Skelton	Field ID	MW#2
Date Acquired	22 Apr 2005 5:49 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	300	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values.

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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4/27/2005 1:37 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#2

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019805

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019142.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019143.D	Sample Name	5019806
Operator	Skelton	Field ID	MW#4
Date Acquired	22 Apr 2005 6:31 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.51	499538	31.84 ug/L	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.86	634805	67.85 ug/L	700	2.00 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.22	19827	1.03 ug/L	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.51	1105981	196.27 ug/L	300	0.90 ug/L	2.00 ug/L	E
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	3	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	115805	1.98 ug/L	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone	23.47	15628	3.64 ug/L	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene	22.69	2125540	32.71 ug/L	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.73	4702940	62.73 ug/L	700	0.28 ug/L	2.00 ug/L	E
1330-20-7	m+p-Xylenes	26.01	4074481	164.40 ug/L	nle	0.63 ug/L	4.00 ug/L	E
95-47-6	o-Xylene	26.85	5436857	99.06 ug/L	nle	0.24 ug/L	2.00 ug/L	E
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c).

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	V0019175.D	Sample Name	5019806
Operator	Skelton	Field ID	MW#4
Date Acquired	25 Apr 2005 5:11 pm	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	7.85 ug/L	50.00 ug/L	
107131	Acrylonitrile			not detected	50	12.35 ug/L	50.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	42.70 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.50 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	1.85 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	2.30 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.50 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride	5.49	84055	23.65 ug/L	5	1.00 ug/L	10.00 ug/L	D
74-83-9	Bromomethane			not detected	10	1.25 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	100	1.35 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.30 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.35 ug/L	10.00 ug/L	
67-64-1	Acetone	11.89	147546	60.16 ug/L	700	10.00 ug/L	10.00 ug/L	B D
75-15-0	Carbon Disulfide			not detected	800	0.80 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	2.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.25 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	1.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	1.00 ug/L	10.00 ug/L	
78-93-3	2-Butanone	17.54	225979	182.21 ug/L	300	4.50 ug/L	10.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not detected	70	1.40 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.90 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.35 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.00 ug/L	10.00 ug/L	
71-43-2	Benzene	18.15	21103	1.62 ug/L	1	1.00 ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.10 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.65 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	1.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.90 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.90 ug/L	10.00 ug/L	
108-88-3	Toluene	22.69	365327	25.76 ug/L	1000	1.25 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.70 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.25 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.30 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	100	1.45 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.20 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	1.50 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.73	741759	45.57 ug/L	700	1.40 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	592487	113.79 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.84	815861	69.68 ug/L	nle	1.20 ug/L	10.00 ug/L	D
100-42-5	Styrene			not detected	100	1.70 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.20 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	1.20 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.20 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.25 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.35 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c)

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#4

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019806

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019143.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000103-65-1	Benzene, propyl-	28.24	29	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.41	140	JN
3. 000526-73-8	Benzene, 1,2,3-trimethyl-	28.60	85	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.03	71	JN
5. 000108-67-8	Benzene, 1,3,5-trimethyl-	29.36	310	JN
6. 000526-73-8	Benzene, 1,2,3-trimethyl-	30.22	100	JN
7.	unknown	30.51	80	J
8. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	31.32	27	JN
9. 027133-93-3	2,3-Dihydro-1-methylindene	33.09	48	JN
10. 000091-20-3	Naphthalene	34.87	47	JN

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

Data File	VB019144.D	Sample Name	5019807
Operator	Skelton	Field ID	MW#5
Date Acquired	22 Apr 2005 7:12 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein	10.71	65941	24.90 ug/L	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane	7.01	71690	3.36 ug/L	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.91	79308	6.47 ug/L	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	361255	11.61 ug/L	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.58	55745	7.55 ug/L	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane	17.22	1547109	48.92 ug/L	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride	17.22	181668	6.96 ug/L	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.47	12383	0.70 ug/L	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (e).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#5

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019807

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019144.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not doc. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 4

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.39	6	J
2. 000090-12-0	Naphthalene, 1-methyl-	27.54	6	JN
3. 000091-57-6	Naphthalene, 2-methyl-	28.68	8	JN
4.	unknown	33.54	3	J

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

Data File	VB019145.D	Sample Name	5019808
Operator	Skelton	Field ID	MW#6
Date Acquired	22 Apr 2005 7:53 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	300	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	2000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values.
*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#6

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019808

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019145.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VR019146.D	Sample Name	5019809
Operator	Skelton	Field ID	MW#7
Date Acquired	22 Apr 2005 8:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	40	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	200000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.26 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values.

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

RL = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#7

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019809

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019146.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	16.68	4	J

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

Data File	VB019147.D	Sample Name	5019810
Operator	Skelton	Field ID	MW#8
Date Acquired	22 Apr 2005 9:15 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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4/27/2005 1:38 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#8

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019810

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019147.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019148.D	Sample Name	5019811
Operator	Skelton	Field ID	MW#14
Date Acquired	22 Apr 2005 9:57 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c)

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MW#14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50198 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5019811

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019148.D

Level: (low/med) LOW Date Received: 4/12/2005

% Moisture: not dec. Date Analyzed: 4/22/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

	Lab	2-Butanone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/09/2000	FMETL	ND	8.97								V,S,P,M
09/09/2000D	FMETL	ND	8.97								V,S,P,M
12/27/2000	FMETL	ND	8.94								V,S,P,M
03/16/2001	FMETL	ND	8.48								V,S,P,M
06/21/2001	FMETL	ND	8.54								V,S,P,M
06/21/2001D	FMETL	ND	8.54								V,S,P,M
08/27/2001	FMETL	ND	9.16								V,S,P,M
11/27/2001	FMETL	ND	9.73								V,S,P,M
02/06/2002	FMETL	ND	9.44								V,S,P,M
06/28/2002	FMETL	ND	9.15								V,S,P,M
08/28/2002	FMETL	ND	10.03								V,S,P,M
11/14/2002	FMETL	ND	8.88								V,S,P,M
03/14/2003	FMETL	5.26	8.26								V,S,P,M
05/15/2003	FMETL	ND	7.57								V,S,P,M
08/20/2003	FMETL	ND	7.80								V,S,P,M
10/20/2003	FMETL	ND	8.52								V,S,P,M
01/22/2004	FMETL	ND	8.21								V
04/22/2004	FMETL	ND	7.2								V
07/14/2004	FMETL	ND	7.85								V
10/28/2004	FMETL	ND	8.16								V
01/12/2005	FMETL	ND	7.91								V
04/12/2005	FMETL	ND	7.01								V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/12/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

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

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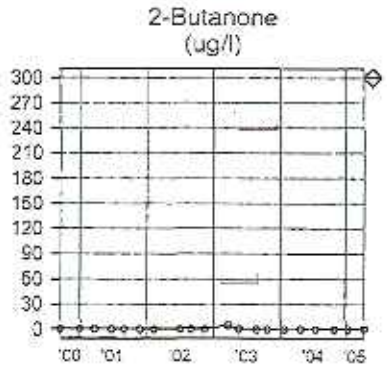
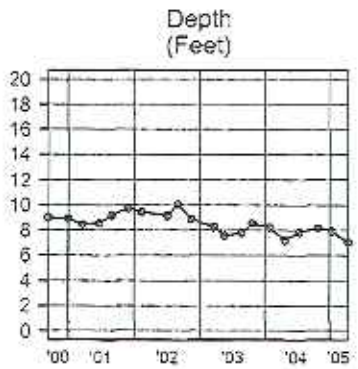




SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

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

04-27-2005 \\monm54\env\r_data\WtechData\812\812.WSF

	Lab	Carbon Di sulfide	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	NLE	-								-
09/09/2000	FMETL	4.27	6.67								V,S,P,M
12/27/2000	FMETL	ND	6.93								V,S,P,M
03/16/2001	FMETL	ND	6.06								V,S,P,M
06/21/2001	FMETL	ND	5.98								V,S,P,M
08/27/2001	FMETL	ND	6.87								V,S,P,M
11/27/2001	FMETL	ND	7.95								V,S,P,M
02/06/2002	FMETL	ND	8.25								V,S,P,M
05/28/2002	FMETL	ND	8.66								V,S,P,M
08/28/2002	FMETL	ND	7.67								V,S,P,M
11/14/2002	FMETL	ND	5.67								V,S,P,M
03/14/2003	FMETL	ND	5.54								V,S,P,M
05/15/2003	FMETL	ND	6.43								V,S,P,M
08/20/2003	FMETL	ND	6.03								V,S,P,M
10/20/2003	FMETL	ND	6.14								V,S,P,V
01/22/2004	FMETL	ND	5.76								V
04/22/2004	FMETL	ND	3.1								V
07/14/2004	FMETL	ND	6.27								V
10/28/2004	FMETL	ND	6.43								V
01/12/2005	FMETL	ND	6.08								V
04/12/2005	FMETL	ND	5.05								V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/12/2005

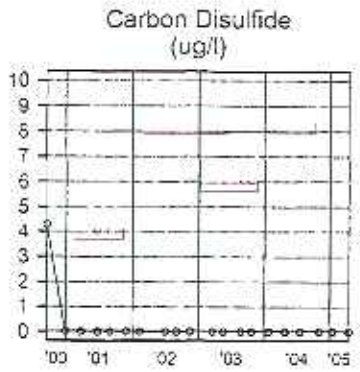
NOTES:

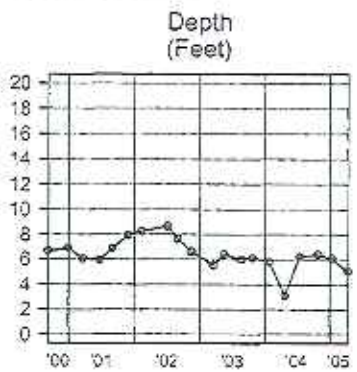
FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

Source 13 of 14

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





SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

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

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/12/2005

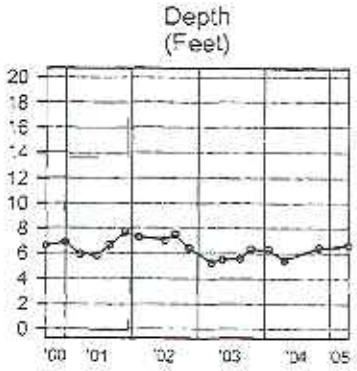
NOTES:

FORT MONMOUTH

GW MONITORING
M-5 Bldg 697

Source 14 of 14

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



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

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

04-27-2005 \\mcnm54s\envr_data\MtechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	4-Methyl-2-Pent anone	Ethyl benzene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	5	NLE	100	10	1	400	700	-	-
09/14/2000	FMETL	ND	4793.33	ND	325.30	5669.25	6.58	ND	135.41	4.75	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17	60.72	72.16	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND	5.72	20.48	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND	ND	8.70	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	ND	101.33	196.94	ND	98.01	126.76	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51	ND	53.78	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.67	5.87	144.23	98.1	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.65	8.04	142.98	182.38	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43	86.52	94.11	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND	ND	1.24	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	2.67	38.58	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	5.09	6.38	37.35	ND	ND	9.01	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	ND	9.55	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	ND	1.02	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/26/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	ND	50.49	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	ND	32.42	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	3.64	45.57	1.62	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/12/2005

NOTES:

FORT MONMOUTH

GW MONITORING
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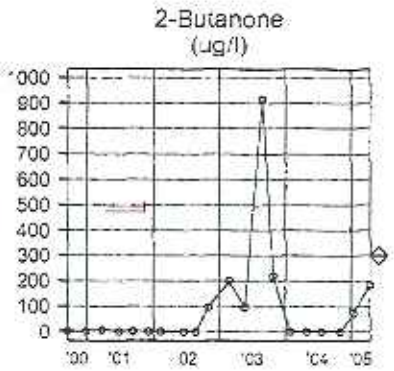
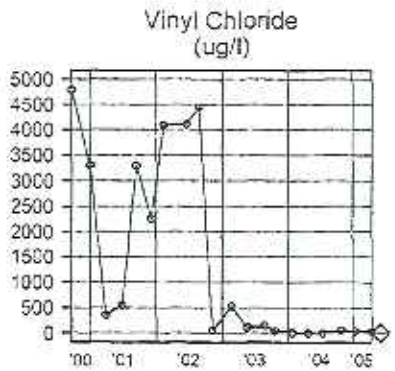
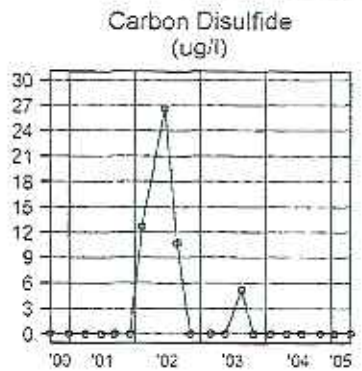
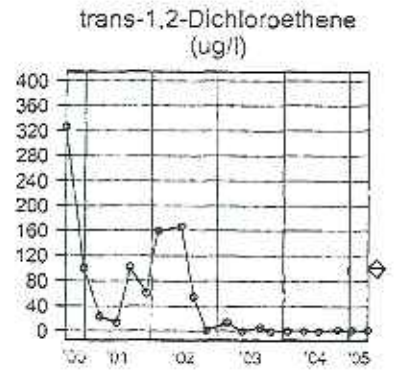
Source 11 of 14

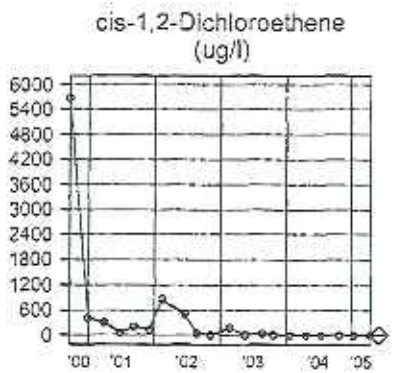
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

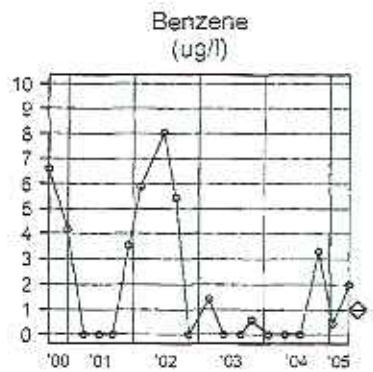


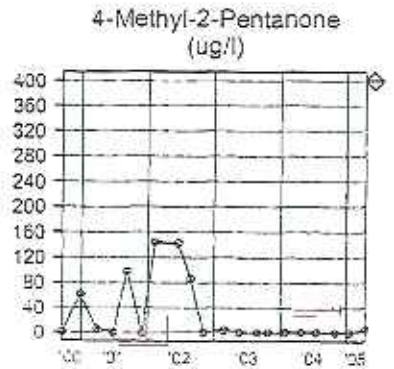


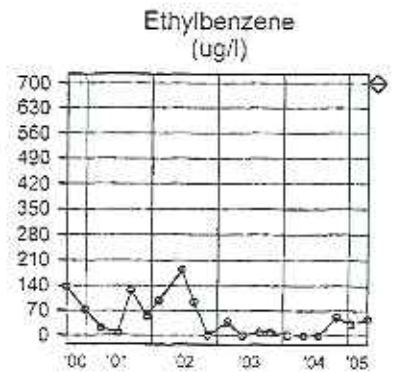


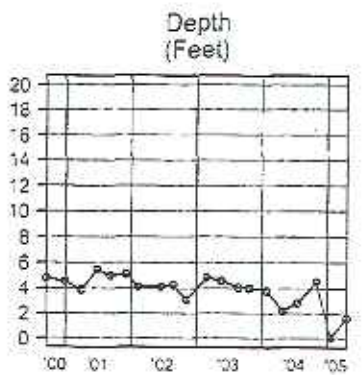












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source #1 of 14, Graph

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

04-27-2006 \\mcnm54\Serv1_data\Attach\Data\812\812.WSF

	Lab	Acetone	2-But anone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	700	300	NLE	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	13.04		9.83				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	1.58		10.12				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	5.77		8.83				V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	4.62		8.83				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	10.94		9.54				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		10.38				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	2.06		11.16				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	2.27		10.87				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	5.66		10.25				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	5.83		11.13				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	29.36		9.85				V,S,P,M
03/07/2003	FMETL	33.87	5.90	4.93	14.49	ND	8.17				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	8.16	ND	8.40				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	16.8	ND	8.85				V,S,P,M
10/22/2003	FMETL	3.46	ND	ND	9.47	ND	9.75				V,S,P,M
01/22/2004	FMETL	16.53	140.15	ND	17.26	0.44	8.78				V
04/22/2004	FMETL	293.94	123.5	5.69	32.95	0.7	9.48				V
07/14/2004	FMETL	80.20	83.49	ND	38.23	0.86	8.89				V
11/01/2004	FMETL	4.50	4.11	ND	11.17	ND	9.70				V
01/12/2005	FMETL	ND	ND	ND	32.14	0.68	8.72				V
04/12/2005	FMETL	6.47	7.55	ND	48.92	0.70	7.89				V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/12/2005

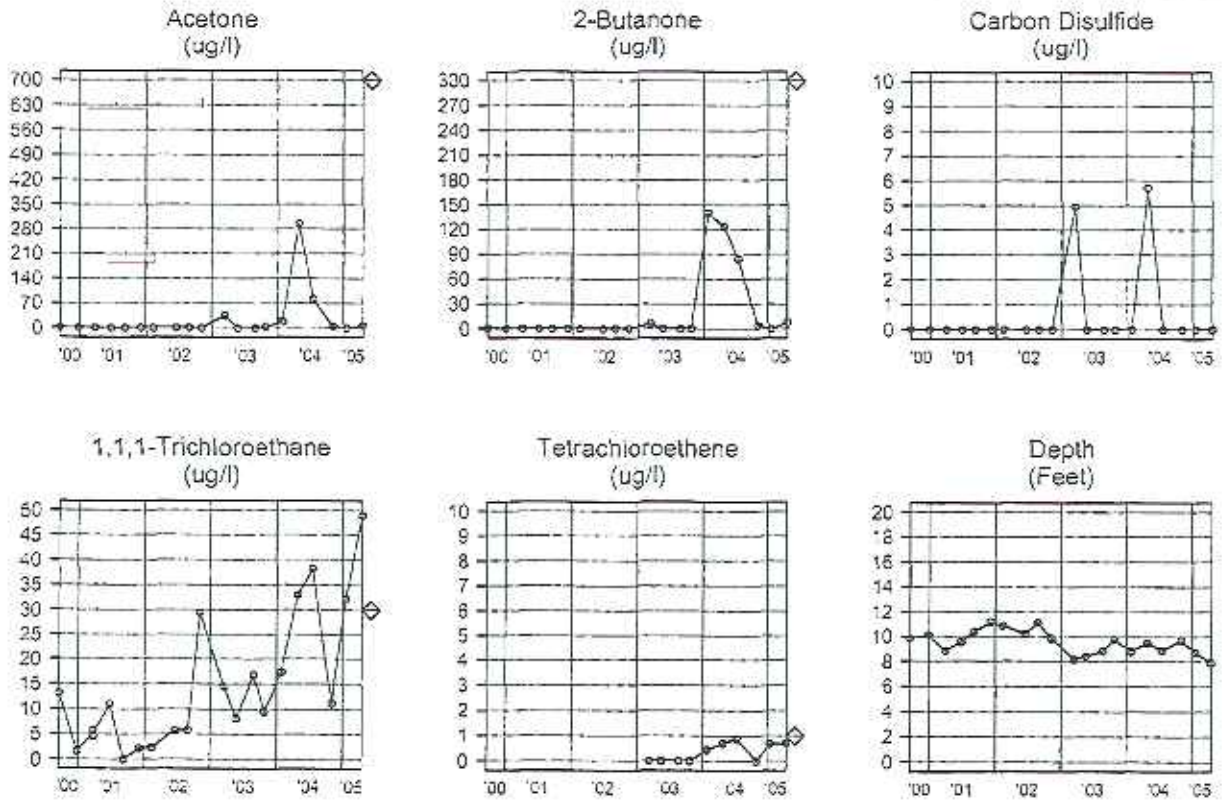
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14

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



SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

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

04-27-2005 \\monm545\env1_data\4techData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.83									V,S,P,M
12/27/2000	FMETL	7.98									V,S,P,M
03/23/2001	FMETL	6.99									V,S,P,M
06/22/2001	FMETL	7.45									V,S,P,M
09/07/2001	FMETL	8.37									V,S,P,M
12/03/2001	FMETL	8.75									V,S,P,M
12/03/2001D	FMETL	8.75									V,S,P,M
02/08/2002	FMETL	6.46									V,S,P,M
06/13/2002	FMETL	7.98									V,S,P,M
08/23/2002	FMETL	8.72									V,S,P,M
11/07/2002	FMETL	7.65									V,S,P,M
03/07/2003	FMETL	6.44									V,S,P,M
05/15/2003	FMETL	6.38									V,S,P,M
08/21/2003	FMETL	6.99									V,S,P,M
10/22/2003	FMETL	7.56									V,S,P,M
01/22/2004	FMETL	6.94									V
04/22/2004	FMETL	6.22									V
07/14/2004	FMETL	6.82									V
10/28/2004	FMETL	7.49									V
01/12/2005	FMETL	6.73									V
04/12/2005	FMETL	6.07									V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/12/2005

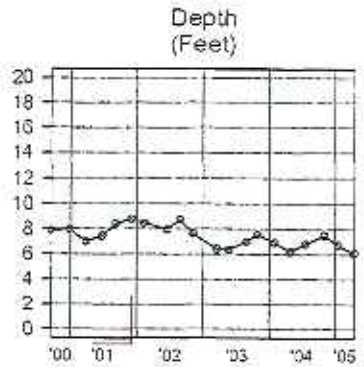
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14

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



SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

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

04-27-2005 \\nlonm545\envr_data\MtechData\812\812.WSF

	Lab	Acetone	2-But anone	Carbon Di sulfide	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	700	300	NLE	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	11.29		11.19				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	2.91		11.22				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	4.49		10.47				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	3.24		10.80				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		11.33				V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND		11.96				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND		11.70				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	18.81		11.17				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	11.38		11.80				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	5.26		10.83				V,S,P,M
03/07/2003	FMETL	17.62	6.21	8.27	12.84	ND	9.76				V,S,P,M
05/15/2003	FMETL	116.46	198.04	17.95	2.37	ND	10.02				V,S,P,M
08/21/2003	FMETL	1.81	ND	ND	15.54	ND	10.18				V,S,P,M
10/22/2003	FMETL	2.60	ND	ND	1.44	ND	10.75				V,S,P,M
01/22/2004	FMETL	29.78	220.85	ND	1.12	0.46	11.11				V
04/22/2004	FMETL	31.58	25.54	ND	0.91	ND	7.88				V
07/14/2004	FMETL	53.22	37.80	ND	0.64	ND	9.90				V
11/01/2004	FMETL	13.14	111.58	ND	ND	ND	10.63				V
01/12/2005	FMETL	26.69	76.22	ND	ND	ND	10.00				V
04/12/2005	FMETL	ND	ND	ND	-	ND	9.27				V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/12/2005

NOTES:

FORT MONMOUTH

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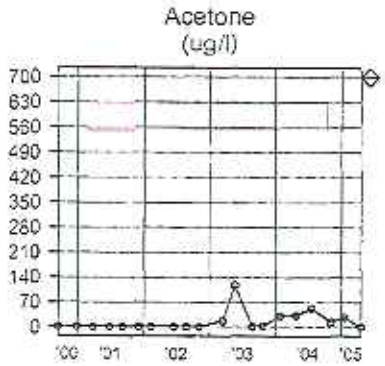
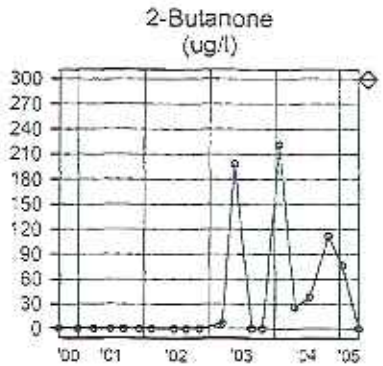
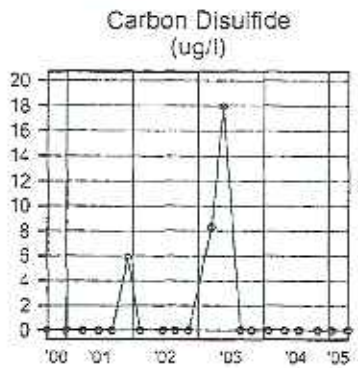
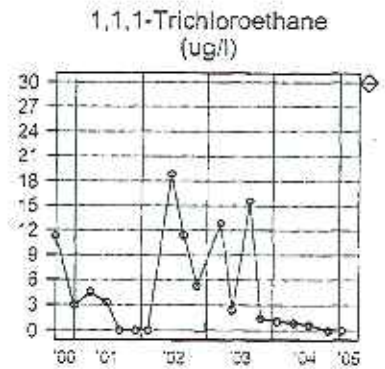
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

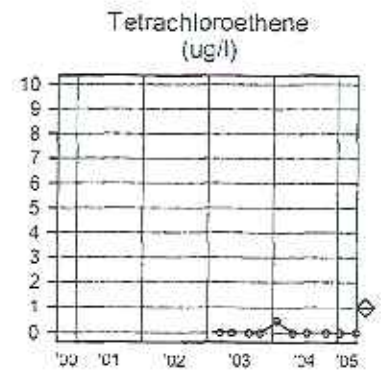
04-27-2005 \\monm545\envr_data\MtechData\812\812.WSF

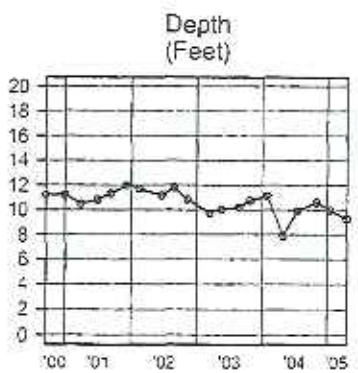












SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

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

04-27-2005 \\monm545\env_data\Mtech\Data\812\812.WSF

	Lab	Acetone	2-But anone	Tetra chloro ethene	Depth						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	700	300	1	-						-
09/14/2000	FMETL	ND	ND		7.23						V,S,P,M
12/27/2000	FMETL	ND	ND		7.32						V,S,P,M
03/23/2001	FMETL	ND	ND		6.56						V,S,P,M
06/22/2001	FMETL	ND	ND		6.90						V,S,P,M
09/07/2001	FMETL	ND	ND		7.52						V,S,P,M
12/03/2001	FMETL	ND	ND		8.07						V,S,P,M
02/06/2002	FMETL	ND	ND		7.82						V,S,P,M
06/13/2002	FMETL	ND	ND		7.36						V,S,P,M
08/23/2002	FMETL	ND	ND		8.03						V,S,P,M
11/07/2002	FMETL	ND	ND		8.67						V,S,P,M
02/21/2003	FMETL	ND	ND	ND	6.68						V,S,P,M
05/15/2003	FMETL	ND	ND	ND	6.20						V,S,P,M
08/21/2003	FMETL	4.06	ND	ND	6.35						V,S,P,M
10/22/2003	FMETL	5.52	3.85	ND	6.58						V,S,P,M
01/22/2004	FMETL	5.22	10.62	0.46	6.35						V
04/22/2004	FMETL	ND	ND	ND	5.75						V
07/14/2004	FMETL	ND	ND	ND	6.24						V
10/28/2004	FMETL	ND	ND	ND	6.77						V
01/12/2005	FMETL	ND	ND	ND	6.11						V
04/12/2005	FMETL	ND	ND	ND	5.78						V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/12/2005

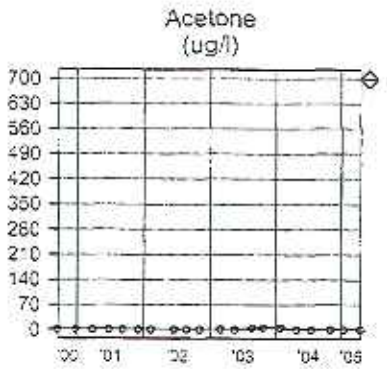
NOTES:

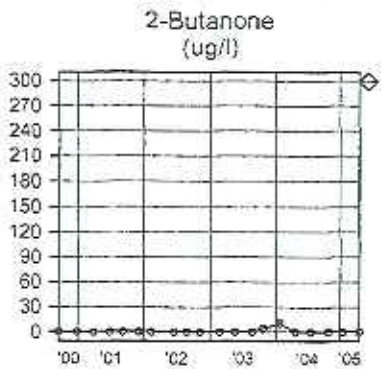
FORT MONMOUTH

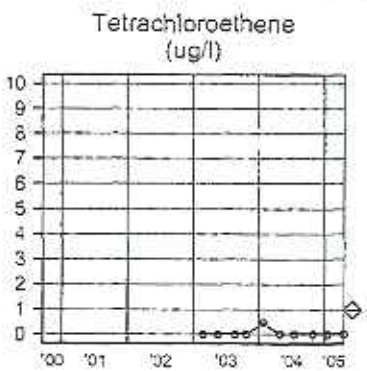
GW MONITORING
M-8 Bldg 697

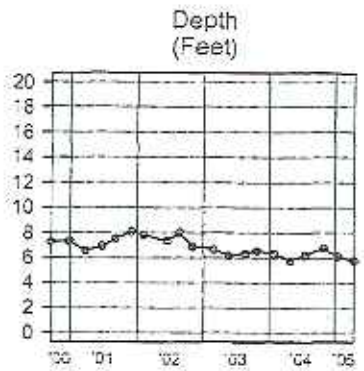
Source 8 of 14

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









SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

σ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

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

04-27-2005 \\monm545\envr_data\Mtech\Data\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
05/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/12/2005

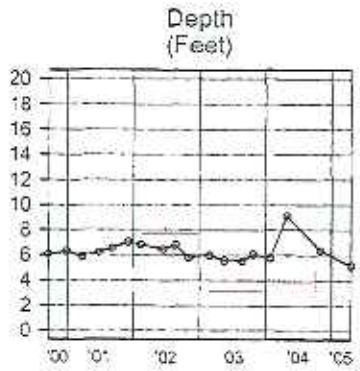
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

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



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14: Graph

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

04-27-2005 \\mcnm545\envr data\MtechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.58									V,S,P,M
02/08/2002	FMETL	7.53									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/12/2005

NOTES:

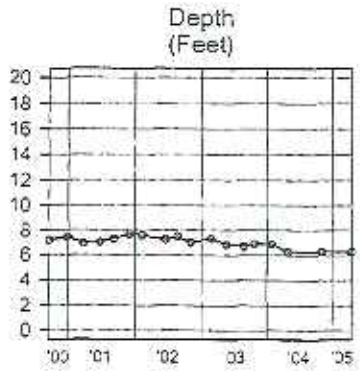
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

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

04-27-2005 \\mcnm545\envr_data\MtechData\812\812.WSF



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

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

04-27-2006 \\monm545\env\r_data\MtechData\812\812.WBF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/12/2005

NOTES:

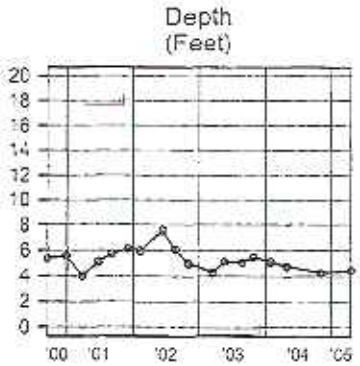
FORT MONMOUTH

GW MONITORING
M-8 Blog 697

Source 1 of 14

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

04-27-2005 \\monm545\envr_data\MaconData\812\812.WSF



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14 Graph

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

04-27-2006 \\monmsAs\ehvr_data\MtechData\812-812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/12/2005

NOTES:

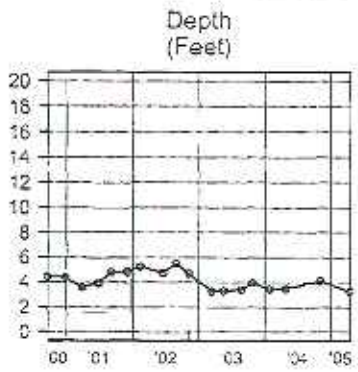
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

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

04-27-2005 \\mcnm545\envr_data\MtechData\812\812.WSF



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

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

04-27-2005 \\mon\n645\envr_data\MeanData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/12/2005

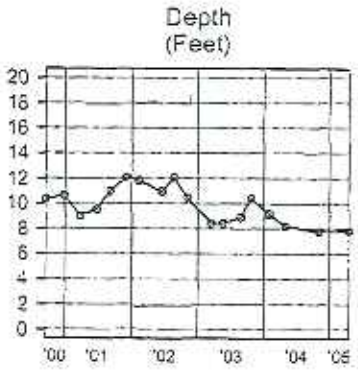
NOTES:

FORT MONMOUTH

GW MONITORING
M-6 Bldg 697

Source 9 of 14

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



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

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

04-27-2005 \\mbe-m545\envr_data\MtechData\812\512.WSF

	Lab	Acetone	Depth							Notes
Units	-	ug/l	Feet							-
NJDEP Criteria	-	700	-							-
09/14/2000	FMETL	ND	8.65							V,S,P,M
09/14/2000D	FMETL	ND	8.65							V,S,P,M
12/27/2000	FMETL	12.62	8.87							V,S,P,M
03/23/2001	FMETL	8.80	8.27							V,S,P,M
06/22/2001	FMETL	ND	8.46							V,S,P,M
06/22/2001D	FMETL	ND	8.46							V,S,P,M
09/07/2001	FMETL	ND	8.85							V,S,P,M
09/07/2001	FMETL	ND	8.85							V,S,P,M
12/03/2001	FMETL	ND	9.18							V,S,P,M
02/06/2002	FMETL	ND	9.15							V,S,P,M
06/13/2002	FMETL	ND	8.74							V,S,P,M
08/23/2002	FMETL	ND	9.09							V,S,P,M
11/07/2002	FMETL	ND	8.14							V,S,P,M
02/21/2003	FMETL	ND	8.45							V,S,P,M
05/15/2003	FMETL	ND	8.03							V,S,P,M
08/21/2003	FMETL	ND	7.98							V,S,P,M
10/22/2003	FMETL	ND	8.38							V,S,P,M
01/22/2004	FMETL	ND	7.92							V
04/22/2004	FMETL	ND	7.26							V
07/14/2004	FMETL	ND	7.51							V
11/01/2004	FMETL	ND	8.15							V
01/12/2005	FMETL	ND	7.53							V
04/12/2005	FMETL	ND	7.12							V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/12/2005

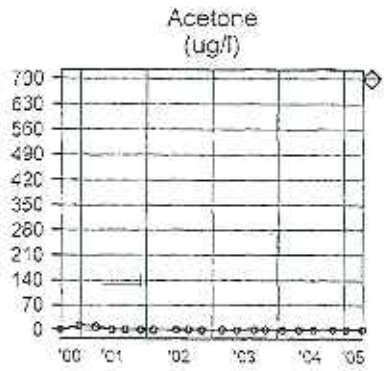
NOTES:

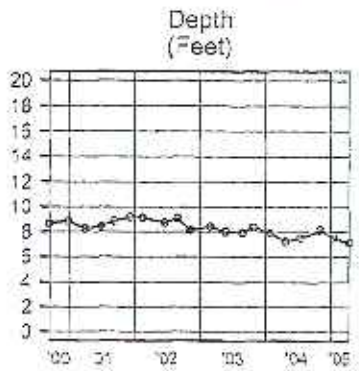
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

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





SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/12/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14. Graph

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

04-27-2005 \\mcnm545\env_data\MtechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5033704	0812MW01	29-42572	07/06/05
5033705	0812MW02	29-42573	07/06/05
Not Sampled	0812MW03	29-42574	----------
5033706	0812MW04	29-42575	07/06/05
5033707	0812MW05	29-42576	07/06/05
5033708	0812MW06	29-42577	07/06/05
5033709	0812MW07	29-42578	07/06/05
5033710	0812MW08	29-42579	07/06/05
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
5033711	0812MW14	29-42888	07/06/05

NJDEP Laboratory Certification # 13461

7-22-05

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 Organics by GC/MS	624
Pesticides and PCB's by GC	608

SAMPLING

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: D. GUENTHER
Phone: 429806
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 812
3RD QUARTER

Samplers Name / Company: WALTER FUNK/TVS

LIMS Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA +15								Remarks / Preservation Method
50337 .01	812 TRIP BLANK	7-6-05	8:15	AQ	2	X								
.02	812 FIELD BLANK	7-6-05	10:30	AQ	2	X								
.03	812 DUP	7-6-05	10:50	AQ	2	X								
.04	812 MW #1	7-6-05	15:20	AQ	2	X								29-42572
.05	812 MW #2	7-6-05	15:40	AQ	2	X								29-42573
.06	812 MW #4 *	7-6-05	10:50	AQ	2	X								29-42575
.07	812 MW #5	7-6-05	15:00	AQ	2	X								29-42576
.08	812 MW #6	7-6-05	11:40	AQ	2	X								29-42577
.09	812 MW #7	7-6-05	14:30	AQ	2	X								29-42578
.10	812 MW #8	7-6-05	11:20	AQ	2	X								29-42579
.11	812 MW #14	7-6-05	14:10	AQ	2	X								29-42888

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	7-6-05 15:55	[signature]			
Relinquished by (signature):	Date/Time	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush__Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

COC XLS5/4/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.83 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.79 ft
(40.79) X .65 X 3 =79.54
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:28
pH 7.12 su
DISSOLVED O_2 0.07 mg/L
TEMP 16.22 °C
SPECIFIC CONDUCTIVITY 1993.0 µs/cm

PURGE END TIME: 15:16
pH 6.68 su
DISSOLVED O_2 0.39 mg/L
TEMP 17.28 °C
SPECIFIC CONDUCTIVITY 2540.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.31 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 15:20
pH 7.10 su
DISSOLVED O_2 0.03 mg/L
TEMP 16.20 °C
SPECIFIC CONDUCTIVITY 1924.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.30 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.61 ft
(41.61) X .65 X 3 = 81.13
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:40
pH 7.41 su — TEMP 18.47 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 1877.0 µs/cm

PURGE END TIME: 15:37
pH 7.21 su — TEMP 17.44 °C
DISSOLVED O_2 0.18 mg/L — SPECIFIC CONDUCTIVITY 1921.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.62 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 15:40
pH 7.31 su — TEMP 16.78 °C
DISSOLVED O_2 0.04 mg/L — SPECIFIC CONDUCTIVITY 1824.0 µs/cm

SAMPLE END TIME: 15:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.76 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.92 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.70 ft
(3.70) X .65 X 3 = 7.21
GALLONS OF H_2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:06
pH 6.25 su — TEMP 22.77 °C
DISSOLVED O_2 0.10 mg/L — SPECIFIC CONDUCTIVITY 4318.0 µs/cm

PURGE END TIME: 10:41
pH 6.43 su — TEMP 21.41 °C
DISSOLVED O_2 0.13 mg/L — SPECIFIC CONDUCTIVITY 7272.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.59 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 10:50
pH 6.55 su — TEMP 20.97 °C
DISSOLVED O_2 0.15 mg/L — SPECIFIC CONDUCTIVITY 8078.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.81 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.78 ft
(8.78) X .65 X 3 =17.12
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:32
pH 5.97 su — TEMP 16.67 °C
DISSOLVED O_2 0.06 mg/L — PECIFIC CONDUCTIVITY 1292.0 µs/cm

PURGE END TIME: 14:50
pH 5.66 su — TEMP 16.84 °C
DISSOLVED O_2 0.20 mg/L — SPECIFIC CONDUCTIVITY 1320.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:00
pH 5.54 su — TEMP 16.05 °C
DISSOLVED O_2 0.13 mg/L — SPECIFIC CONDUCTIVITY 1251.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.80 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.20 ft
(8.20) X .65 X 3 =15.99
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:18
pH 4.35 su — TEMP 18.10 °C
DISSOLVED O_2 0.19 mg/L — PECIFIC CONDUCTIVITY 5216.0 µs/cm

PURGE END TIME: 11:28
pH 4.40 su — TEMP 18.14 °C
DISSOLVED O_2 0.16 mg/L — SPECIFIC CONDUCTIVITY 5498.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.01 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:40
pH 4.37 su — TEMP 17.97 °C
DISSOLVED O_2 0.14 mg/L — SPECIFIC CONDUCTIVITY 5415.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.96 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.35 ft
(7.35) X .65 X 3 =14.33
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:13
pH 5.25 su — TEMP 17.96 °C
DISSOLVED O_2 0.18 mg/L — SPECIFIC CONDUCTIVITY 1367.0 µs/cm

PURGE END TIME: 14:18
pH 5.57 su — TEMP 17.76 °C
DISSOLVED O_2 0.17 mg/L — SPECIFIC CONDUCTIVITY 1176.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:30
pH 5.49 su — TEMP 17.13 °C
DISSOLVED O_2 0.03 mg/L — SPECIFIC CONDUCTIVITY 1084.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.14 ft
DEPTH OF WELL: 15.64 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.50 ft
(9.50) X .65 X 3 =18.52
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:51
pH 4.12 su — TEMP 18.75 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 9876.0 µs/cm

PURGE END TIME: 11:14
pH 4.95 su — TEMP 17.72 °C
DISSOLVED O_2 0.29 mg/L — SPECIFIC CONDUCTIVITY 5716.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.74 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:20
pH 4.12 su — TEMP 17.56 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 5881.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.49 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.37 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.98 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.64 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.28 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/06/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.45 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.20 ft
(7.20) X .65 X 3 =14.04
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 5.58 su — TEMP 20.67 °C
DISSOLVED O_2 0.24 mg/L — SPECIFIC CONDUCTIVITY 1677.0 µs/cm

PURGE END TIME: 14:05
pH 5.46 su — TEMP 19.54 °C
DISSOLVED O_2 0.21 mg/L — SPECIFIC CONDUCTIVITY 1122.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:10
pH 5.40 su — TEMP 18.88 °C
DISSOLVED O_2 0.16 mg/L — SPECIFIC CONDUCTIVITY 1021.0 µs/cm

SAMPLE END TIME: 14:10

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB019784.D	Sample Name	MB 15July05
Operator	Skelton	Field ID	MB 15July05
Date Acquired	15 Jul 2005 9:21 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	80000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	70000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 15July05

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 15July05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019784.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/15/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019800.D	Sample Name	5033701
Operator	Skelton	Field ID	Trip Blank
Date Acquired	15 Jul 2005 9:09 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.93	39199	4.29 ug/L	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	43720	1.31 ug/L	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.60	47624	7.38 ug/L	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQLs and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Trip Blank

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019800.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/15/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019801.D	Sample Name	5033702
Operator	Skelton	Field ID	Field Blank
Date Acquired	15 Jul 2005 9:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	n/e	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	n/e	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	n/e	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	n/e	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	n/e	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	n/e	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019801.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/15/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019802.D	Sample Name	5033703
Operator	Skelton	Field ID	Dupe
Date Acquired	15 Jul 2005 10:33 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	300	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9:6.9(c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: Dupe

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019802.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/15/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019803.D	Sample Name	5033704
Operator	Skelton	Field ID	812MW#1
Date Acquired	18 Jul 2005 11:14 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	30	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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7/25/2005 10:45 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#1

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019803.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/15/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019804.D	Sample Name	5033705
Operator	Skelton	Field ID	812MW#2
Date Acquired	15 Jul 2005 11:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	8000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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7/25/2005 10:45 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#2

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019804.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/15/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019805.D	Sample Name	5033706
Operator	Skelton	Field ID	812MW#4
Date Acquired	16 Jul 2005 12:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.87	50515	1.56 ug/L	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	900	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#4

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019805.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/16/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019806.D	Sample Name	5033707
Operator	Skelton	Field ID	812MW#5
Date Acquired	16 Jul 2005 1:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	73460	1.02 ug/L	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.73	25770	0.78 ug/L	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.01	30816	0.96 ug/L	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.85	35790	0.49 ug/L	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#5

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019806.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/16/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	17.88	8	J
2. 000526-73-8	Benzene, 1,2,3-trimethyl-	30.22	6	JN
3. 000767-58-8	Indan, 1-methyl-	31.60	10	JN
4. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	32.13	12	JN
5. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	32.24	8	JN
6. 002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	33.11	11	JN
7. 017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimet	33.64	6	JN
8. 004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimet	34.00	5	JN
9. 017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimet	34.05	6	JN
10. 000091-20-3	Naphthalene	34.86	8	JN

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

Data File	VB019807.D	Sample Name	5033708
Operator	Skelton	Field ID	B12MW#6
Date Acquired	16 Jul 2005 2:02 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.89	23187	0.72 ug/L	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	400	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#6

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019807.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/16/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000091-57-6	Naphthalene, 2-methyl-	27.51	3	JN

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

Data File	VB019808.D	Sample Name	5033709
Operator	Skelton	Field ID	812MW#7
Date Acquired	16 Jul 2005 2:43 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl tert Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	2000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9(c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#7

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019808.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/16/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB019809.D	Sample Name	5033710
Operator	Skelton	Field ID	812MW#8
Date Acquired	16 Jul 2005 3:25 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	40	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.85	50599	1.57 ug/L	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	70000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	70000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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7/25/2005 10:45 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#8

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019809.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/16/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB019810.D	Sample Name	5033711
Operator	Skelton	Field ID	812MW#14
Date Acquired	16 Jul 2005 4:07 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c)

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812MW#14

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50337 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5033711

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019810.D

Level: (low/med) LOW Date Received: 7/6/2005

% Moisture: not dec. Date Analyzed: 7/16/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Depth							Notes
Units:	-	ug/	Feet							-
NJDEP Criteria:	-	300	-							-
09/09/2000	FMETL	ND	8.97							V,S,P,M
09/09/2000D	FMETL	ND	8.97							V,S,P,M
12/27/2000	FMETL	ND	8.94							V,S,P,M
03/16/2001	FMETL	ND	8.48							V,S,P,M
06/21/2001	FMETL	ND	8.54							V,S,P,M
06/21/2001D	FMETL	ND	8.54							V,S,P,M
08/27/2001	FMETL	ND	9.15							V,S,P,M
11/27/2001	FMETL	ND	9.73							V,S,P,M
02/06/2002	FMETL	ND	9.44							V,S,P,M
06/25/2002	FMETL	ND	9.15							V,S,P,M
08/28/2002	FMETL	ND	10.03							V,S,P,M
11/14/2002	FMETL	ND	8.88							V,S,P,M
03/14/2003	FMETL	8.26	8.26							V,S,P,M
05/15/2003	FMETL	ND	7.57							V,S,P,M
08/20/2003	FMETL	ND	7.80							V,S,P,M
10/20/2003	FMETL	ND	8.52							V,S,P,M
01/22/2004	FMETL	ND	8.21							V
04/22/2004	FMETL	ND	7.2							V
07/14/2004	FMETL	ND	7.65							V
10/25/2004	FMETL	ND	8.16							V
01/12/2005	FMETL	ND	7.91							V
04/12/2005	FMETL	ND	7.01							V
07/06/2005	FMETL	ND	7.83							V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/06/2005

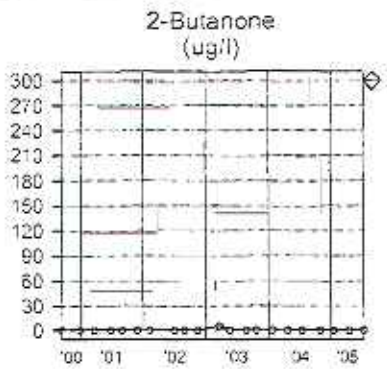
NOTES:

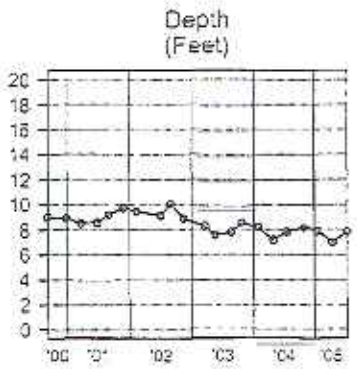
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-2005 \\mcarm54\amyr_data\Attach\Data\812\812.WSF

	Lab	Carbon Di sulfide	Depth							Notes
Units:	-	ug/	Feet							-
NJDEP Criteria	-	NLE	-							-
09/09/2000	FMETL	4.27	6.67							V,S,P,M
12/27/2000	FMETL	ND	6.93							V,S,P,M
03/16/2001	FMETL	ND	6.06							V,S,P,M
06/21/2001	FMETL	ND	5.98							V,S,P,M
08/27/2001	FMETL	ND	6.87							V,S,P,M
11/27/2001	FMETL	ND	7.95							V,S,P,M
02/06/2002	FMETL	ND	8.25							V,S,P,M
06/28/2002	FMETL	ND	8.66							V,S,P,M
08/28/2002	FMETL	ND	7.67							V,S,P,M
11/14/2002	FMETL	ND	6.67							V,S,P,M
03/14/2003	FMETL	ND	5.54							V,S,P,M
05/15/2003	FMETL	ND	6.43							V,S,P,M
08/20/2003	FMETL	ND	6.03							V,S,P,M
10/20/2003	FMETL	ND	6.14							V,S,P,M
01/22/2004	FMETL	ND	5.76							V
04/22/2004	FMETL	ND	6.1							V
07/14/2004	FMETL	ND	6.27							V
10/28/2004	FMETL	ND	6.43							V
01/12/2005	FMETL	ND	6.08							V
04/12/2005	FMETL	ND	5.05							V
07/06/2005	FMETL	ND	6.30							V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/06/2005

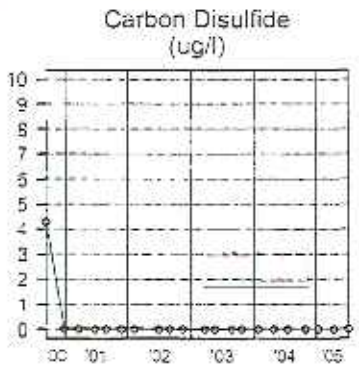
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-25-2005 [illegible]

	Lab	2-Butanone	Vinyl Chloride	Carbon Disulfide	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria	-	300	5	NLE	100	10	1	40	-		-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	8.58	120.22	4.76		V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	405.83	4.17	191.02	4.54		V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.34	316.55	ND	32.16	3.69		V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND	8.51	5.45		V,S,P,M
09/07/2001	FMETL	ND	3299.91	ND	101.33	196.94	ND	301.23	4.97		V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51	114.73	5.09		V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87	238.34	4.10		V,S,P,M
06/13/2002	FMETL	ND	4114.45	25.65	166.9	509.56	8.04	302.86	4.10		V,S,P,M
09/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43	211.4	4.23		V,S,P,M
11/07/2002	FMETL	95.28	81.91	ND	1.21	7.76	ND	ND	3.10		V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	88.36	4.81		V,S,P,M
05/15/2003	FMETL	96.64	111.93	ND	ND	6.94	ND	7.60	4.57		V,S,P,M
08/21/2003	FMETL	915.3	136.6	5.09	6.38	37.35	ND	20.7	4.05		V,S,P,M
10/22/2003	FMETL	220.34	44.26	ND	ND	4.58	0.58	26.61	4.00		V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	2.54	3.60		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	2.2		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	2.61		V
10/26/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	176.83	4.49		V
01/12/2005	FMETL	74.88	30.54	ND	1.54	1.19	0.48	84.21	0.08		V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	183.47	1.62		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	2.92		V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/06/2005

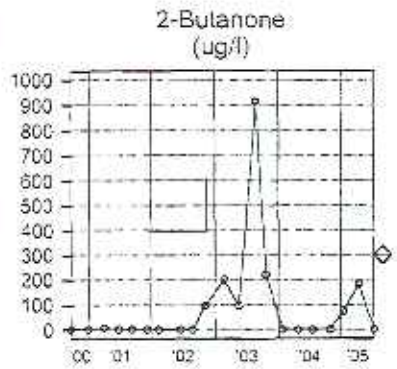
NOTES:

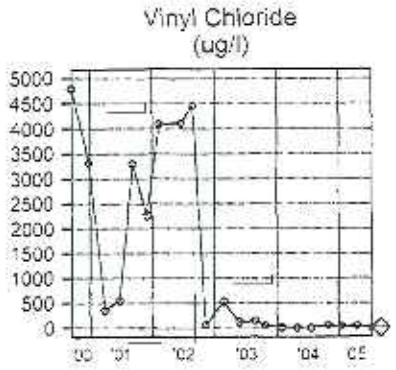
FORT MONMOUTH

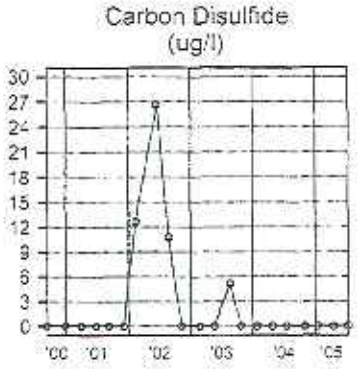
GW MONITORING
M-6 Bldg 697

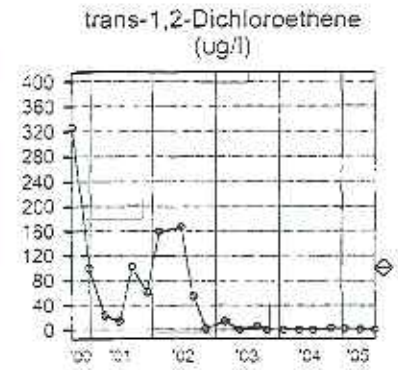
Source 11 of 14

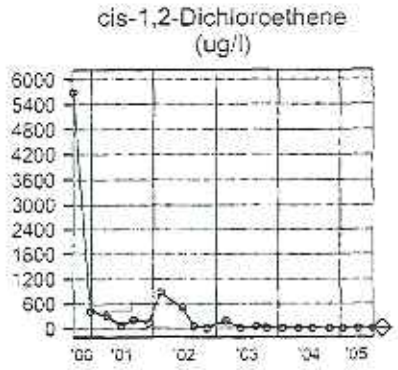
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

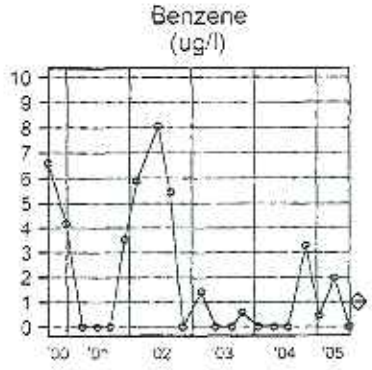


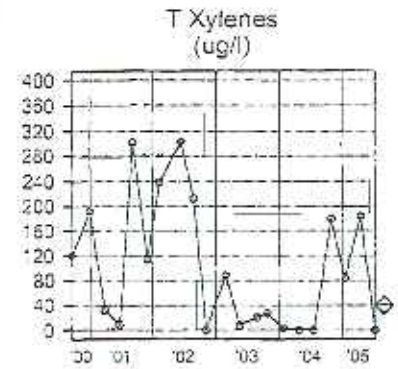












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 397

Source 11 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-26-2005 \\mom845\envir_data\MechData\812\812.WSF

	Lab	2-Butanone	Carbon Di sulfide	Benzene	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	300	NLE	1	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	13.04		9.83				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	1.58		*0.12				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	5.77		8.83				V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	4.62		8.83				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	10.94		9.54				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		10.38				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	2.03		11.16				V,S,P,M
02/06/2002	FMETL	ND	ND	ND	2.27		10.87				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	5.66		10.25				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	5.83		11.13				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	29.36		9.85				V,S,P,M
03/07/2003	FMETL	5.90	4.93	ND	14.49	ND	8.17				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	8.16	ND	8.40				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	16.8	ND	8.85				V,S,P,M
10/22/2003	FMETL	ND	ND	ND	9.47	ND	9.75				V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	17.26	0.44	5.78				V
04/22/2004	FMETL	123.5	5.69	ND	32.95	0.7	9.48				V
07/14/2004	FMETL	83.49	ND	ND	38.23	0.86	5.69				V
11/01/2004	FMETL	4.11	ND	ND	11.17	ND	9.70				V
01/12/2005	FMETL	ND	ND	ND	32.14	0.68	8.72				V
04/12/2005	FMETL	7.55	ND	ND	48.92	0.70	7.89				V
07/06/2005	FMETL	ND	ND	1.02	ND	ND	8.81				V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/06/2005

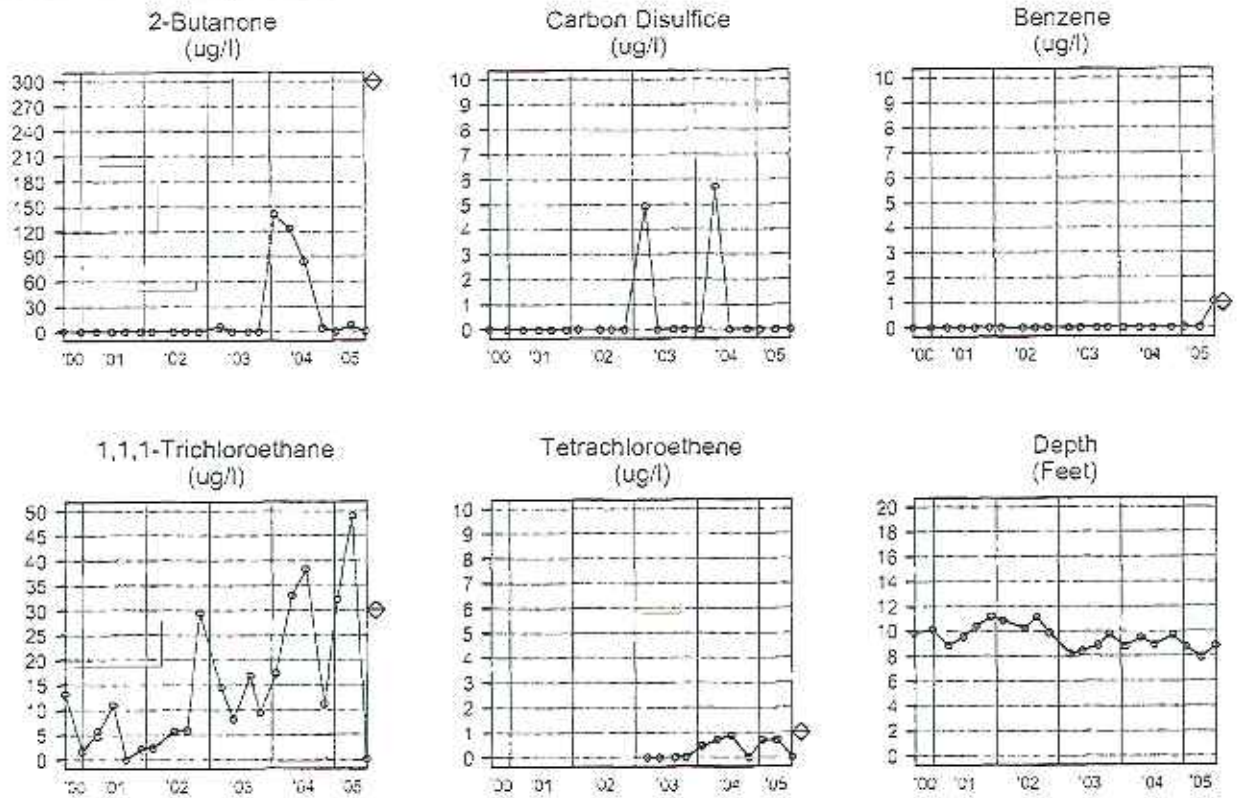
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 B dg 697

Source 10 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-25-2005 \\monm645\env_data\MtechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.83									V,S,P,M
12/27/2000	FMETL	7.96									V,S,P,M
03/23/2001	FMETL	6.99									V,S,P,M
06/22/2001	FMETL	7.45									V,S,P,M
09/07/2001	FMETL	8.37									V,S,P,M
12/03/2001	FMETL	8.75									V,S,P,M
12/03/2001D	FMETL	8.75									V,S,P,M
02/08/2002	FMETL	8.46									V,S,P,M
06/13/2002	FMETL	7.98									V,S,P,M
08/23/2002	FMETL	8.72									V,S,P,M
11/07/2002	FMETL	7.65									V,S,P,M
03/07/2003	FMETL	6.44									V,S,P,M
05/15/2003	FMETL	6.38									V,S,P,M
08/21/2003	FMETL	6.99									V,S,P,M
10/22/2003	FMETL	7.56									V,S,P,M
01/22/2004	FMETL	6.94									V
04/22/2004	FMETL	6.22									V
07/14/2004	FMETL	6.82									V
10/28/2004	FMETL	7.49									V
01/12/2005	FMETL	6.73									V
04/12/2005	FMETL	6.07									V
07/06/2005	FMETL	6.60									V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/06/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

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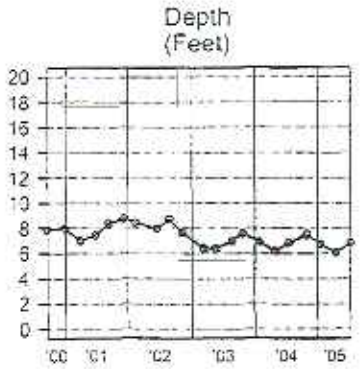
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/06/2005

LEGEND:

PARAMETER

▫ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-25-2005 [illegible]

	Lab	2-Butanone	Carbon Di sulfide	1,1,1-Trichloro ethane	Tetra chloro ethene	Depth					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	300	NLE	30	1	-					-
09/14/2000	FMETL	ND	ND	11.29		11.19					V,S,P,M
12/27/2000	FMETL	ND	ND	2.91		11.22					V,S,P,M
03/23/2001	FMETL	ND	ND	4.49		10.47					V,S,P,M
06/22/2001	FMETL	ND	ND	3.24		10.80					V,S,P,M
09/07/2001	FMETL	ND	ND	ND		11.33					V,S,P,M
12/03/2001	FMETL	ND	5.85	ND		11.96					V,S,P,M
02/06/2002	FMETL	ND	ND	ND		11.70					V,S,P,M
05/13/2002	FMETL	ND	ND	18.61		11.17					V,S,P,M
08/23/2002	FMETL	ND	ND	11.38		11.80					V,S,P,M
11/07/2002	FMETL	ND	ND	5.26		10.83					V,S,P,M
03/07/2003	FMETL	6.21	8.27	12.84	ND	9.76					V,S,P,M
05/15/2003	FMETL	198.04	17.95	2.37	ND	10.02					V,S,P,M
08/21/2003	FMETL	ND	ND	15.54	ND	10.18					V,S,P,M
10/22/2003	FMETL	ND	ND	1.44	ND	10.75					V,S,P,M
01/22/2004	FMETL	220.85	ND	1.12	0.46	11.11					V
04/22/2004	FMETL	25.54	ND	0.91	ND	7.88					V
07/14/2004	FMETL	37.80	ND	0.64	ND	9.90					V
11/01/2004	FMETL	111.58	ND	ND	ND	10.63					V
01/12/2005	FMETL	76.22	ND	ND	ND	10.00					V
04/12/2005	FMETL	ND	ND	ND	ND	9.27					V
07/06/2005	FMETL	ND	ND	ND	ND	9.96					V

SOURCE: 0812MW07

Sampling Dates
09/14/2000 - 07/06/2005

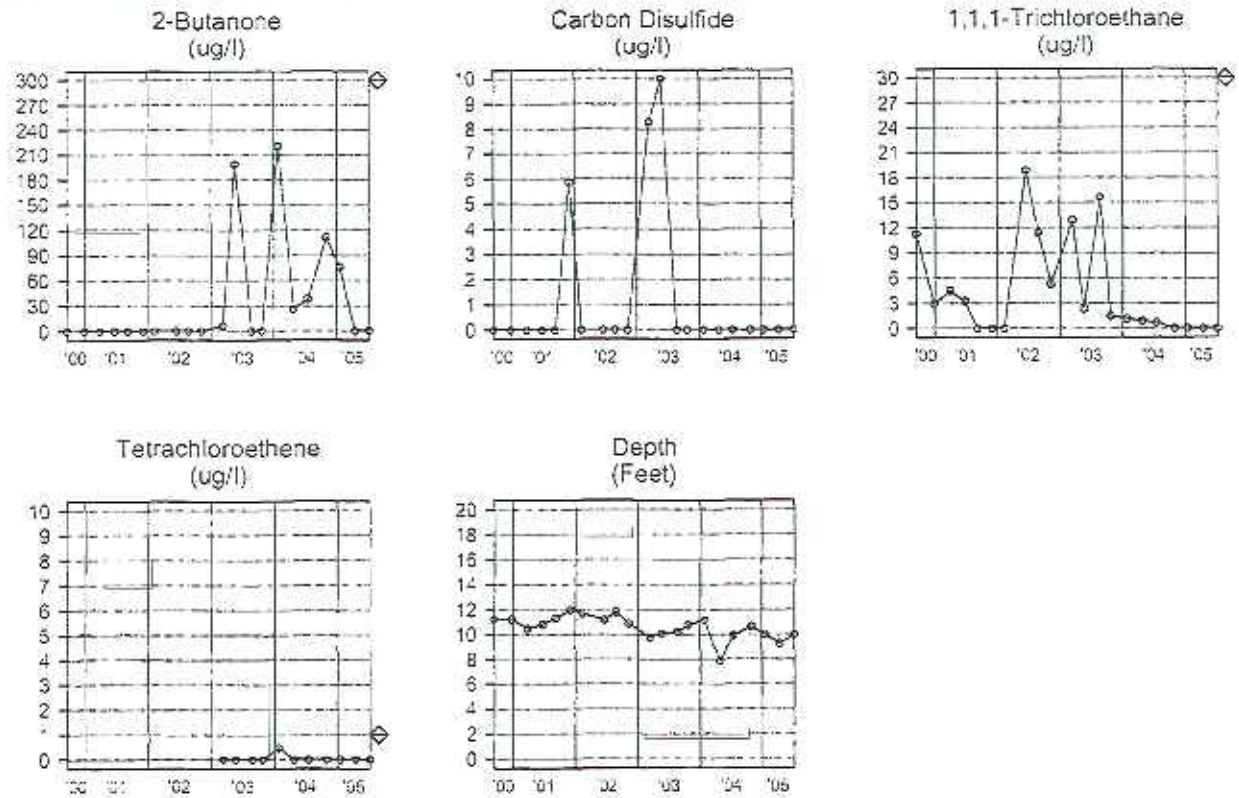
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-25-2005 \\monm545\envr_data\MechData\812\812.WBF

	Lab	2-Butanone	Carbon Disulfide	Tetrachloroethene	Depth						Notes
Units	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria	-	300	NLE	1	-						-
09/14/2000	FMETL	ND	ND		7.23						V,S,P,M
12/27/2000	FMETL	ND	ND		7.32						V,S,P,V
03/23/2001	FMETL	ND	ND		6.56						V,S,P,M
06/22/2001	FMETL	ND	ND		6.90						V,S,P,M
09/07/2001	FMETL	ND	ND		7.52						V,S,P,M
12/03/2001	FMETL	ND	ND		8.07						V,S,P,M
02/08/2002	FMETL	ND	ND		7.82						V,S,P,M
06/13/2002	FMETL	ND	ND		7.36						V,S,P,M
08/23/2002	FMETL	ND	ND		8.03						V,S,P,M
11/07/2002	FMETL	ND	ND		6.87						V,S,P,M
02/21/2003	FMETL	ND	ND	ND	6.68						V,S,P,M
05/15/2003	FMETL	ND	ND	ND	6.20						V,S,P,M
08/21/2003	FMETL	ND	ND	ND	6.35						V,S,P,V
10/22/2003	FMETL	3.85	ND	ND	6.58						V,S,P,M
01/22/2004	FMETL	10.62	3.06	0.46	6.35						V
04/22/2004	FMETL	ND	ND	ND	5.75						V
07/14/2004	FMETL	ND	ND	ND	6.24						V
10/28/2004	FMETL	ND	ND	ND	3.77						V
01/12/2005	FMETL	ND	ND	ND	6.11						V
04/12/2005	FMETL	ND	ND	ND	5.78						V
07/06/2005	FMETL	ND	ND	ND	6.14						V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/06/2005

NOTES:

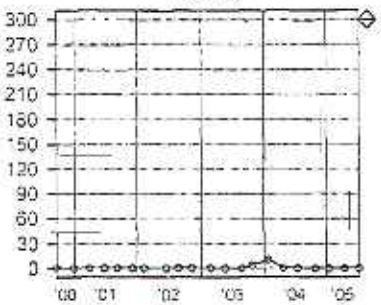
FORT MONMOUTH

GW MONITORING
M-8 Bldg 597

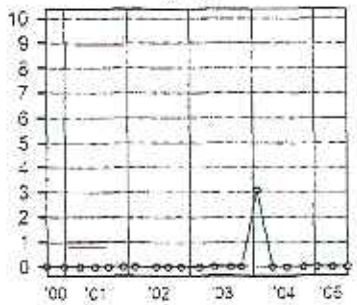
Source 8 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

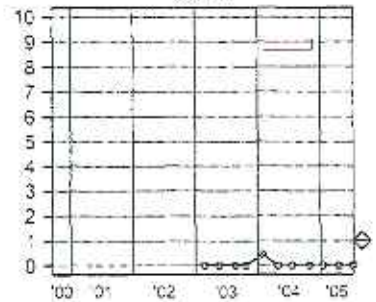
2-Butanone
(ug/l)



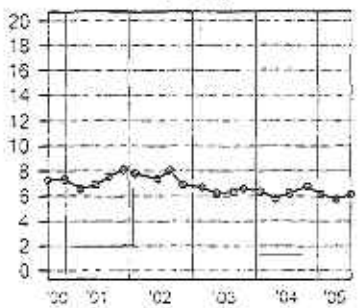
Carbon Disulfide
(ug/l)



Tetrachloroethene
(ug/l)



Depth
(Feet)



SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-25-2005 \\mchm545\env_data\MtechDuca\812\812.WSP

	Lab	2-Butanone	Depth								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	300	-								-
09/14/2000	FMETL	ND	8.65								V,S,P,M
09/14/2000D	FMETL	ND	8.65								V,S,P,M
12/27/2000	FMETL	5.79	8.87								V,S,P,M
03/23/2001	FMETL	ND	8.27								V,S,P,M
06/22/2001	FMETL	ND	8.46								V,S,P,M
06/22/2001D	FMETL	ND	8.46								V,S,P,M
09/07/2001	FMETL	ND	8.85								V,S,P,M
09/07/2001	FMETL	ND	8.65								V,S,P,M
12/03/2001	FMETL	ND	9.18								V,S,P,M
02/08/2002	FMETL	ND	9.15								V,S,P,M
06/13/2002	FMETL	ND	8.74								V,S,P,M
08/23/2002	FMETL	ND	9.09								V,S,P,M
11/07/2002	FMETL	ND	8.14								V,S,P,M
02/21/2003	FMETL	ND	8.45								V,S,P,M
05/15/2003	FMETL	ND	8.03								V,S,P,M
08/21/2003	FMETL	ND	7.98								V,S,P,M
10/22/2003	FMETL	ND	8.38								V,S,P,M
01/22/2004	FMETL	ND	7.92								V
04/22/2004	FMETL	ND	7.26								V
07/14/2004	FMETL	ND	7.51								V
11/01/2004	FMETL	ND	8.15								V
01/12/2005	FMETL	ND	7.53								V
04/12/2005	FMETL	ND	7.12								V
07/06/2005	FMETL	ND	7.45								V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/06/2005

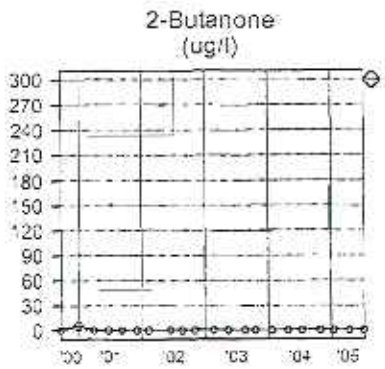
NOTES:

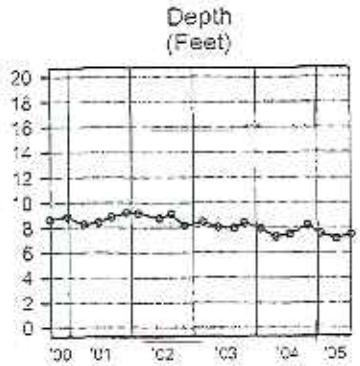
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-25-2005 [illegible] 545\env [illegible]\TechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5055304	0812MW01	29-42572	10/26/05
5055305	0812MW02	29-42573	10/26/05
Not Sampled	0812MW03	29-42574	----------
5055306	0812MW04	29-42575	10/26/05
5055307	0812MW05	29-42576	10/26/05
5055308	0812MW06	29-42577	10/26/05
5055309	0812MW07	29-42578	10/26/05
5055310	0812MW08	29-42579	10/26/05
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
5055311	0812MW14	29-42888	10/26/05

NJDEP Laboratory Certification # 13461

12-1-05

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: D. Guenther
Phone: X20986
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 4TH QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK/TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA-715								Comments: Remarks / Preservation Method
50553.01	812 TRIP BLANK	10-26-05	8:00	AQ	2	X								
.02	812 FIELD BLANK	10-26-05	10:50	AQ	2	X								
.03	812 DUP.	10-26-05	—	AQ	2	X								
.04	812 MW#1	10-26-05	15:00	AQ	2	X								29-42572
.05	812 MW#2	10-26-05	15:30	AQ	2	X								29-42573
.06	812 MW#4 *	10-26-05	11:00	AQ	2	X								29-42575
.07	812 MW#5	10-26-05	14:30	AQ	2	X								29-42576
.08	812 MW#6	10-26-05	11:20	AQ	2	X								29-42577
.09	812 MW#7	10-26-05	14:40	AQ	2	X								29-42578
.10	812 MW#8	10-26-05	11:30	AQ	2	X								29-42579
.11	812 MW#14	10-26-05	14:50	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	10/26/05 15:45	J. Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, ( )Rush___Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

COC.XLS10/7/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 8.17 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.45 ft
(40.45) X .65 X 3 =78.87
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:04
pH 7.07 su
DISSOLVED O_2 0.91 mg/L
TEMP 18.12 °C
SPECIFIC CONDUCTIVITY 2204.0 µs/cm

PURGE END TIME: 14:48
pH 6.56 su
DISSOLVED O_2 11.88 mg/L
TEMP 16.09 °C
SPECIFIC CONDUCTIVITY 1977.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 15:00
pH 6.77 su
DISSOLVED O_2 1.42 mg/L
TEMP 15.85 °C
SPECIFIC CONDUCTIVITY 2064.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER5.58 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.33 ft
(42.33) X .65 X 3 = 82.54
GALLONS OF H_2O TO BE PURGED: 83 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20
pH 7.35 su
DISSOLVED O_2 0.79 mg/L
TEMP 21.56 °C
SPECIFIC CONDUCTIVITY 1286.0 µs/cm

PURGE END TIME: 15:21
pH 6.80 su
DISSOLVED O_2 8.35 mg/L
TEMP 17.02 °C
SPECIFIC CONDUCTIVITY 2057.0 µs/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: 83 gal

SAMPLE START TIME: 15:30
pH 7.08 su
DISSOLVED O_2 1.11 mg/L
TEMP 17.06 °C
SPECIFIC CONDUCTIVITY 2090.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 5.92 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 0.64 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 5.98 ft
(5.98) X .65 X 3 = 11.16
GALLONS OF H_2O TO BE PURGED: 12 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: 10:11
pH 6.05 su — TEMP 17.80 °C
DISSOLVED O_2 2.32 mg/L — SPECIFIC CONDUCTIVITY 1302.0 µs/cm

PURGE END TIME: 11:03
pH 6.69 su — TEMP 17.35 °C
DISSOLVED O_2 1.66 mg/L — SPECIFIC CONDUCTIVITY 1752.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 11:10
pH 6.71 su — TEMP 17.44 °C
DISSOLVED O_2 1.80 mg/L — SPECIFIC CONDUCTIVITY 1592.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 7.95 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.64 ft
(9.64) X .65 X 3 =18.79
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:02
pH 5.78 su
DISSOLVED O_2 1.28 mg/L
TEMP 19.97 °C
PECIFIC CONDUCTIVITY 221.0 µs/cm

PURGE END TIME: 14:20
pH 5.63 su
DISSOLVED O_2 5.61 mg/L
TEMP 19.16 °C
SPECIFIC CONDUCTIVITY 5859.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.51 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:30
pH 5.58 su
DISSOLVED O_2 3.07 mg/L
TEMP 19.41 °C
SPECIFIC CONDUCTIVITY 5679.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 6.03 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.97 ft
(8.97) X .65 X 3 =17.49
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:56
pH 4.17 su
DISSOLVED O_2 2.79 mg/L
TEMP 20.07 °C
PECIFIC CONDUCTIVITY 2180.0 µs/cm

PURGE END TIME: 11:14
pH 5.24 su
DISSOLVED O_2 3.12 mg/L
TEMP 20.40 °C
SPECIFIC CONDUCTIVITY 1865.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.26 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:20
pH 4.21 su
DISSOLVED O_2 2.90 mg/L
TEMP 20.59 °C
SPECIFIC CONDUCTIVITY 1990.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 9.17 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.14 ft
(8.14) X .65 X 3 =15.87
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:13
pH 5.52 su
DISSOLVED O_2 4.15 mg/L
TEMP 19.91 °C
SPECIFIC CONDUCTIVITY 3510.0 µs/cm

PURGE END TIME: 14:23
pH 4.89 su
DISSOLVED O_2 6.12 mg/L
TEMP 19.47 °C
SPECIFIC CONDUCTIVITY 4835.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 14:40
pH 4.70 su
DISSOLVED O_2 0.90 mg/L
TEMP 19.65 °C
SPECIFIC CONDUCTIVITY 4539.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 5.51 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.75 ft
(9.75) X .65 X 3 =19.01
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:47
pH 4.60 su — TEMP 20.95 °C
DISSOLVED O_2 1.08 mg/L — SPECIFIC CONDUCTIVITY 1428.0 µs/cm

PURGE END TIME: 11:10
pH 4.11 su — TEMP 20.18 °C
DISSOLVED O_2 4.56 mg/L — SPECIFIC CONDUCTIVITY 1352.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:30
pH 4.02 su — TEMP 20.42 °C
DISSOLVED O_2 1.84 mg/L — SPECIFIC CONDUCTIVITY 1354.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 5.32 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 5.58 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 3.62 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 3.11 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 8.86 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/05
WEATHER: Sunny and 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: 6.36 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.29 ft
(8.29) X .65 X 3 =16.16
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:25
pH 6.38 su
DISSOLVED O_2 11.07 mg/L
TEMP 19.81 °C
SPECIFIC CONDUCTIVITY 1401.0 µs/cm

PURGE END TIME: 14:39
pH 5.75 su
DISSOLVED O_2 13.51 mg/L
TEMP 20.22 °C
SPECIFIC CONDUCTIVITY 2471.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.51 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 14:50
pH 5.94 su
DISSOLVED O_2 11.98 mg/L
TEMP 20.38 °C
SPECIFIC CONDUCTIVITY 2510.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020611.D	Sample Name	MB 02Nov2005
Operator	Skelton	Field ID	MB 02Nov2005
Date Acquired	2 Nov 2005 2:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (e).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 02Nov2005**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 02Nov2005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020611.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/2/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020647.D	Sample Name	MB 03Nov2005
Operator	Skelton	Field ID	MB 03Nov2005
Date Acquired	3 Nov 2005 4:49 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 03Nov2005**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 03Nov2005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020647.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	13.43	3	J

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020632.D	Sample Name	5055301
Operator	Skelton	Field ID	Trip Blank
Date Acquired	3 Nov 2005 4:54 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020632.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020633.D	Sample Name	5055302
Operator	Skelton	Field ID	Field Blank
Date Acquired	3 Nov 2005 5:35 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020633.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020634.D	Sample Name	5055303
Operator	Skelton	Field ID	Dupe
Date Acquired	3 Nov 2005 6:16 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.46	1183388	41.93 ug/L	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.29	44132	1.53 ug/L	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.88	14322	0.45 ug/L	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	185770	1.79 ug/L	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene	22.69	3228289	28.61 ug/L	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.72	6480834	50.96 ug/L	700	0.28 ug/L	2.00 ug/L	E
1330-20-7	m+p-Xylenes	26.01	4340585	108.29 ug/L	nle	0.63 ug/L	4.00 ug/L	E
95-47-6	o-Xylene	26.84	7127996	81.28 ug/L	nle	0.24 ug/L	2.00 ug/L	E
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020661.D	Sample Name	5055303
Operator	Skelton	Field ID	Dupe
Date Acquired	4 Nov 2005 2:21 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	7.85 ug/L	50.00 ug/L	
107131	Acrylonitrile			not detected	50	12.35 ug/L	50.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	42.70 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.50 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	1.85 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	2.30 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.50 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride	5.45	209749	33.25 ug/L	5	1.00 ug/L	10.00 ug/L	D
74-83-9	Bromomethane			not detected	10	1.25 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	100	1.35 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.30 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.35 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	10.00 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.80 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	2.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.25 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	1.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	1.00 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	4.50 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	1.40 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.90 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.35 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.00 ug/L	10.00 ug/L	
71-43-2	Benzene	18.17	25734	1.31 ug/L	1	1.00 ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.10 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.65 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	1.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.90 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.90 ug/L	10.00 ug/L	
108-88-3	Toluene	22.69	456635	21.29 ug/L	1000	1.25 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.70 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.25 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.30 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	100	1.45 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.20 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	1.50 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.72	1006983	41.27 ug/L	700	1.40 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	546163	68.57 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.84	998234	58.40 ug/L	nle	1.20 ug/L	10.00 ug/L	D
100-42-5	Styrene			not detected	100	1.70 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.20 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	1.20 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.20 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.25 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.35 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020634.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000103-65-1	Benzene, propyl-	28.24	20	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.40	76	JN
3. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.59	56	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.03	48	JN
5. 000526-73-8	Benzene, 1,2,3-trimethyl-	29.35	180	JN
6. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	29.84	15	JN
7. 000095-36-3	1,2,4-Trimethylbenzene	30.21	64	JN
8. 000873-49-4	Benzene, cyclopropyl-	30.50	48	JN
9. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	31.32	14	JN
10. 027133-93-3	2,3-Dihydro-1-methylindene	33.08	20	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020635.D	Sample Name	5055304
Operator	Skelton	Field ID	812MW#1
Date Acquired	3 Nov 2005 6:57 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#1**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020635.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020636.D	Sample Name	5055305
Operator	Skelton	Field ID	812MW#2
Date Acquired	3 Nov 2005 7:37 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#2**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020636.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020638.D	Sample Name	5055306
Operator	Skelton	Field ID	812MW#4
Date Acquired	3 Nov 2005 8:59 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.47	1205124	42.61 ug/L	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.28	44489	1.54 ug/L	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.89	16406	0.51 ug/L	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	185725	1.77 ug/L	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene	22.69	3082936	27.07 ug/L	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.72	6464979	50.43 ug/L	700	0.28 ug/L	2.00 ug/L	E
1330-20-7	m+p-Xylenes	26.01	3942075	97.56 ug/L	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.84	6969093	78.83 ug/L	nle	0.24 ug/L	2.00 ug/L	E
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020662.D	Sample Name	5055306
Operator	Skelton	Field ID	812MW#4
Date Acquired	4 Nov 2005 3:01 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	7.85 ug/L	50.00 ug/L	
107131	Acrylonitrile			not detected	50	12.35 ug/L	50.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	42.70 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.50 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	1.85 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	2.30 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.50 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride	5.46	241500	37.84 ug/L	5	1.00 ug/L	10.00 ug/L	D
74-83-9	Bromomethane			not detected	10	1.25 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	100	1.35 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.30 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.35 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	10.00 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.80 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	2.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.25 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	1.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	1.00 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	4.50 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	1.40 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.90 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.35 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.00 ug/L	10.00 ug/L	
71-43-2	Benzene	18.16	32981	1.67 ug/L	1	1.00 ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.10 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.65 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	1.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.90 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.90 ug/L	10.00 ug/L	
108-88-3	Toluene	22.69	572500	26.59 ug/L	1000	1.25 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.70 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.25 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.30 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	100	1.45 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.20 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	1.50 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.72	1200659	48.96 ug/L	700	1.40 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	737681	92.15 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.84	1232777	71.76 ug/L	nle	1.20 ug/L	10.00 ug/L	D
100-42-5	Styrene			not detected	100	1.70 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	1.20 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	1.20 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.20 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.25 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.35 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#4**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020638.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000103-65-1	Benzene, propyl-	28.24	21	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.40	75	JN
3. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.59	57	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.03	50	JN
5. 000095-63-6	Benzene, 1,2,4-trimethyl-	29.36	190	JN
6. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	29.83	17	JN
7. 000095-36-3	1,2,4-Trimethylbenzene	30.21	64	JN
8. 000873-49-4	Benzene, cyclopropyl-	30.50	48	JN
9. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	31.32	15	JN
10. 002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	33.08	21	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020656.D	Sample Name	5055307
Operator	Skelton	Field ID	812MW#5
Date Acquired	3 Nov 2005 10:57 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.99	98242	5.16 ug/L	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone	11.97	50766	11.84 ug/L	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.28	49276	1.23 ug/L	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.57	177900	47.18 ug/L	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#5**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020656.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020657.D	Sample Name	5055308
Operator	Skelton	Field ID	812MW#6
Date Acquired	3 Nov 2005 11:37 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#6**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020657.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 11/3/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020658.D	Sample Name	5055309
Operator	Skelton	Field ID	812MW#7
Date Acquired	4 Nov 2005 12:18 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#7**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020658.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. Date Analyzed: 11/4/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020659.D	Sample Name	5055310
Operator	Skelton	Field ID	812MW#8
Date Acquired	4 Nov 2005 12:59 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#8**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020659.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 11/4/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB020660.D	Sample Name	5055311
Operator	Skelton	Field ID	812MW#14
Date Acquired	4 Nov 2005 1:40 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	10	1.57 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.30 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.37 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.46 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.30 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.25 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	100	0.27 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.26 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.27 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	2.00 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	800	0.16 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.55 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.25 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.32 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.90 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.28 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.38 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.27 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.20 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.33 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	100	0.25 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.18 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.38 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.25 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.14 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.25 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	100	0.29 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.24 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.30 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.24 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.34 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.24 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.24 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.24 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.27 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9-6.9 (c).

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50553 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5055311

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020660.D

Level: (low/med) LOW Date Received: 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 11/4/2005

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	8.97		V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	8.97		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	8.94		V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.48		V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.54		V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	8.54		V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	9.16		V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	9.73		V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	9.44		V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	9.15		V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	10.03		V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.88		V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND	ND	8.26		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.57		V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.80		V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.52		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	8.21		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.2		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.85		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	8.16		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.91		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.01		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.83		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	8.17		V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

U.S.ARMY
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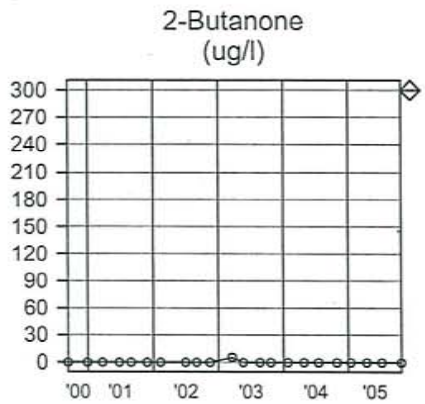

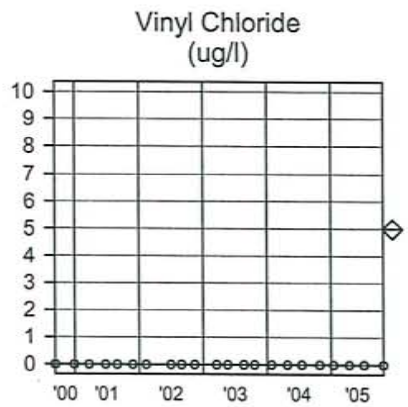

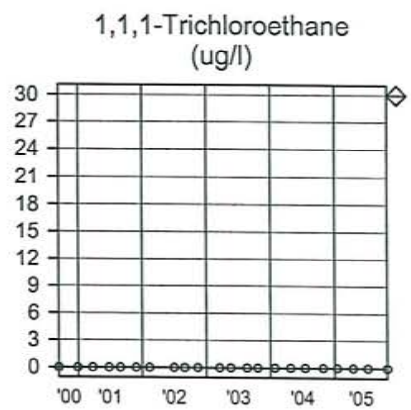

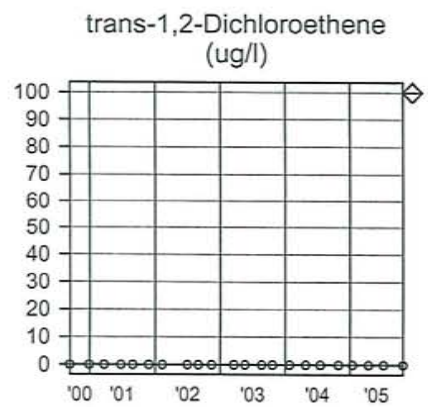

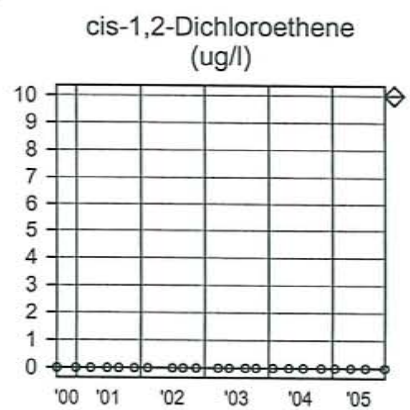

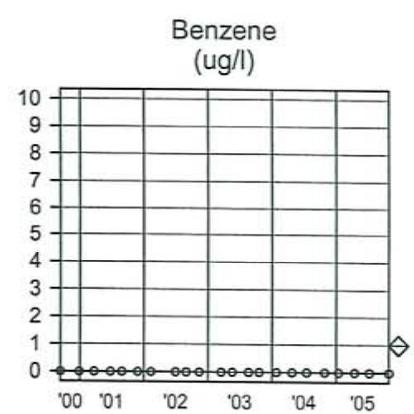

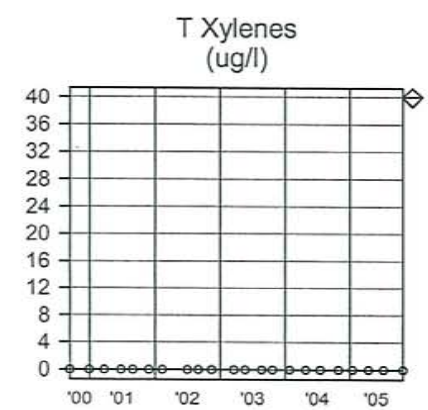

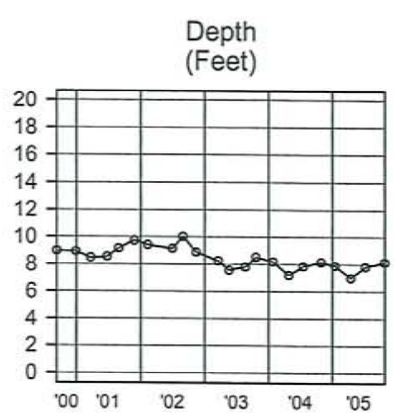

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	6.67		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	6.93		V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	6.06		V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	5.98		V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	6.87		V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	7.95		V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.25		V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.66		V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	7.67		V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	6.67		V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	5.54		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.43		V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.03		V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.14		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	5.76		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	3.1		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.27		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.43		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.08		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.05		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.30		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.58		V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14

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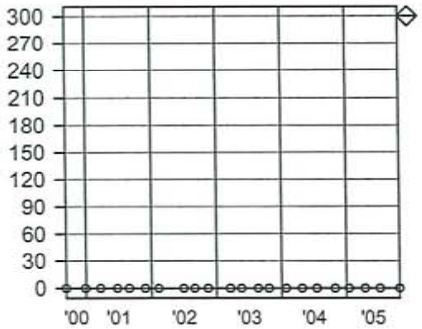
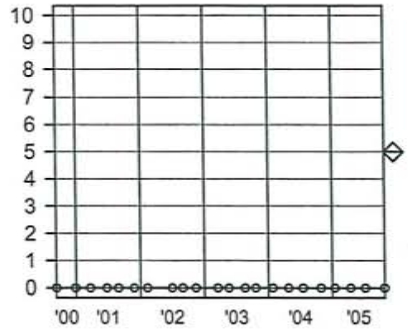
SELFM-PW-EV

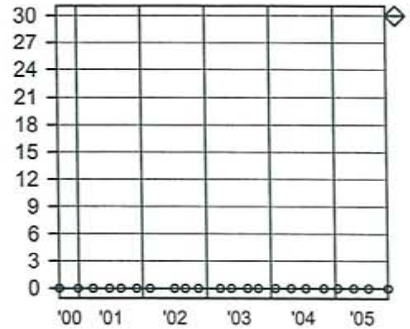
2-Butanone
(ug/l)



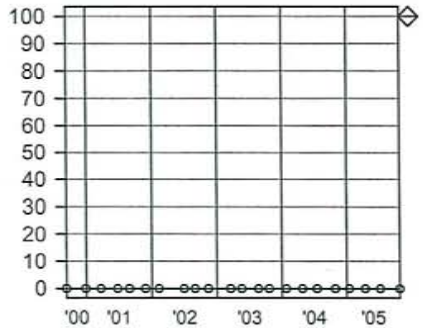
Vinyl Chloride
(ug/l)



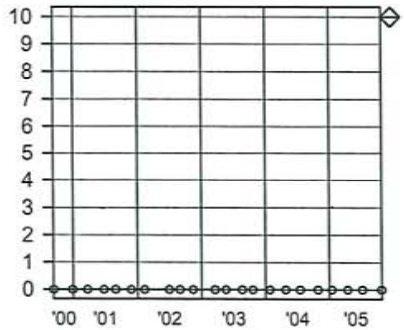
1,1,1-Trichloroethane
(ug/l)



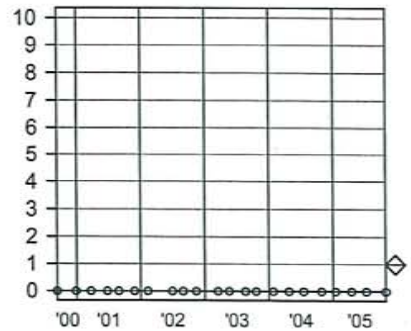
trans-1,2-Dichloroethene
(ug/l)



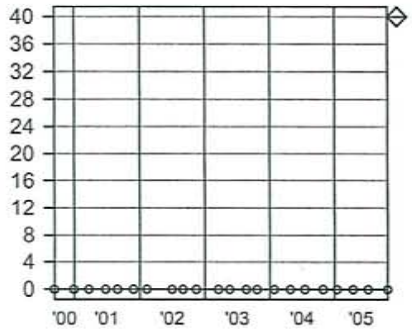
cis-1,2-Dichloroethene
(ug/l)



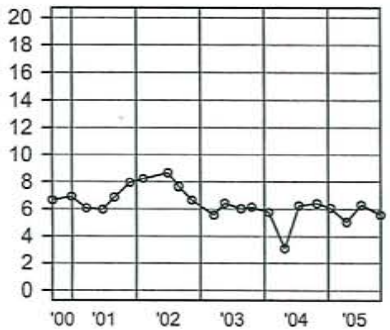
Benzene
(ug/l)



T Xylenes
(ug/l)



Depth
(Feet)



SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/26/2005

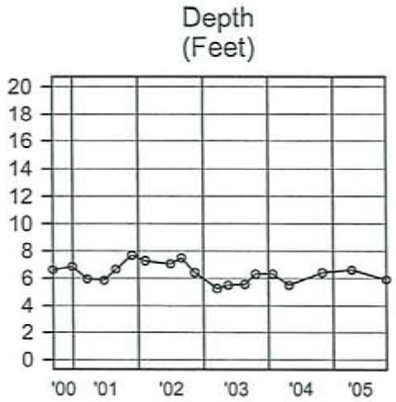
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58	120.22	4.76		V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17	191.02	4.54		V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND	32.16	3.89		V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND	8.51	5.45		V,S,P,M
09/07/2001	FMETL	ND	3299.91	ND	101.33	196.94	ND	301.23	4.97		V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51	114.73	5.09		V,S,P,M
02/08/2002	FMETL	ND	4088.63	ND	159.6	864.87	5.87	238.34	4.10		V,S,P,M
06/13/2002	FMETL	ND	4114.45	ND	166.9	509.66	8.04	302.66	4.10		V,S,P,M
08/23/2002	FMETL	ND	4451.45	ND	54.95	40.90	5.43	211.4	4.23		V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND	ND	3.10		V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	88.36	4.81		V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	7.60	4.57		V,S,P,M
08/21/2003	FMETL	915.3	136.6	ND	6.38	37.35	ND	20.7	4.05		V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	26.61	4.00		V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	2.54	3.80		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	2.2		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	2.81		V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	178.83	4.49		V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	84.21	0.08		V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	183.47	1.62		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	2.92		V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	169.32	0.64		V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/26/2005

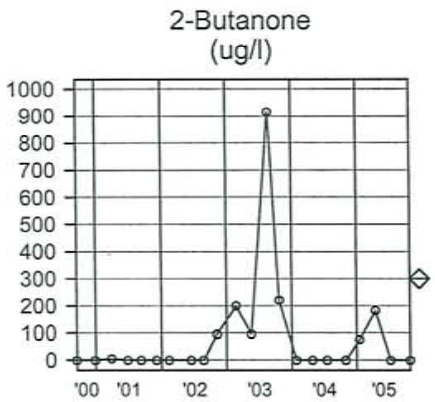
NOTES:

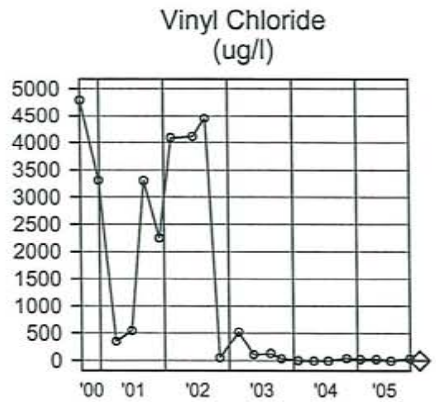
FORT MONMOUTH

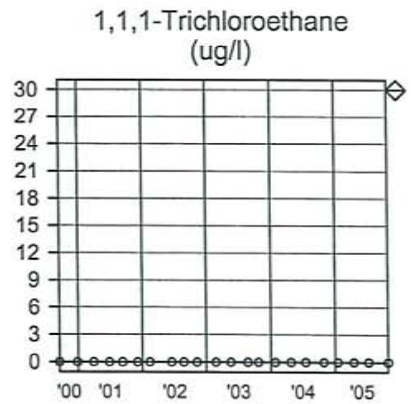
GW MONITORING
M-8 Bldg 697

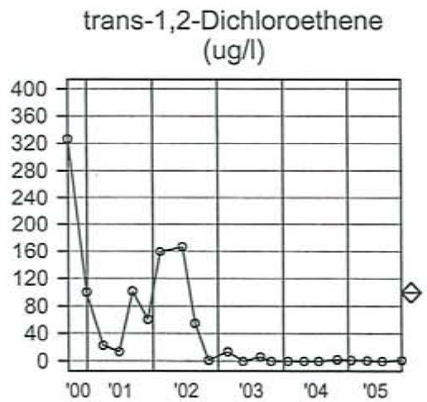
Source 11 of 14

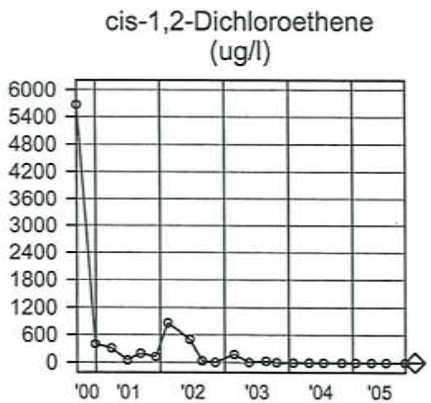
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

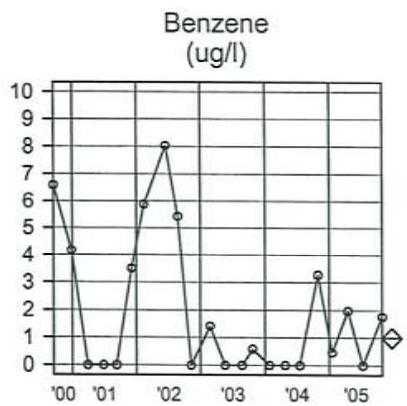


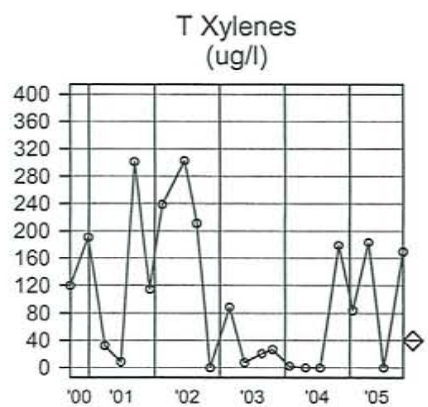


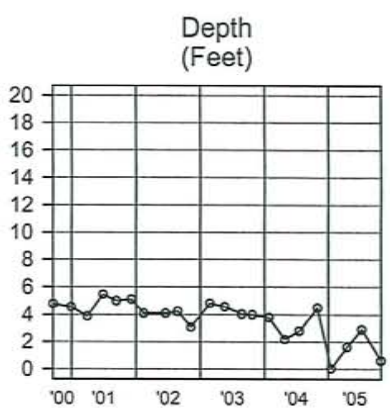












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 11 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/14/2000	FMETL	ND	ND	13.04	ND	ND	ND	ND	9.83		V,S,P,M
12/27/2000	FMETL	ND	ND	1.58	ND	ND	ND	ND	10.12		V,S,P,M
03/23/2001	FMETL	ND	ND	5.77	ND	ND	ND	ND	8.83		V,S,P,M
03/23/2001D	FMETL	ND	ND	4.62	ND	ND	ND	ND	8.83		V,S,P,M
06/22/2001	FMETL	ND	ND	10.94	ND	ND	ND	ND	9.54		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	10.38		V,S,P,M
12/03/2001	FMETL	ND	ND	2.06	ND	ND	ND	ND	11.16		V,S,P,M
02/08/2002	FMETL	ND	ND	2.27	ND	ND	ND	ND	10.87		V,S,P,M
06/13/2002	FMETL	ND	ND	5.66	ND	ND	ND	ND	10.25		V,S,P,M
08/23/2002	FMETL	ND	ND	5.83	ND	ND	ND	ND	11.13		V,S,P,M
11/07/2002	FMETL	ND	ND	29.36	ND	ND	ND	ND	9.85		V,S,P,M
03/07/2003	FMETL	5.90	ND	14.49	ND	ND	ND	ND	8.17		V,S,P,M
05/15/2003	FMETL	ND	ND	8.16	ND	ND	ND	ND	8.40		V,S,P,M
08/21/2003	FMETL	ND	ND	16.8	ND	ND	ND	ND	8.85		V,S,P,M
10/22/2003	FMETL	ND	ND	9.47	ND	ND	ND	ND	9.75		V,S,P,M
01/22/2004	FMETL	140.15	ND	17.26	ND	ND	ND	ND	8.78		V
04/22/2004	FMETL	123.5	ND	32.95	ND	ND	ND	ND	9.48		V
07/14/2004	FMETL	83.49	ND	38.23	ND	ND	ND	ND	8.89		V
11/01/2004	FMETL	4.11	ND	11.17	ND	ND	ND	ND	9.70		V
01/12/2005	FMETL	ND	ND	32.14	ND	ND	ND	ND	8.72		V
04/12/2005	FMETL	7.55	ND	48.92	ND	ND	ND	ND	7.89		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	1.45	8.81		V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	7.95		V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/26/2005

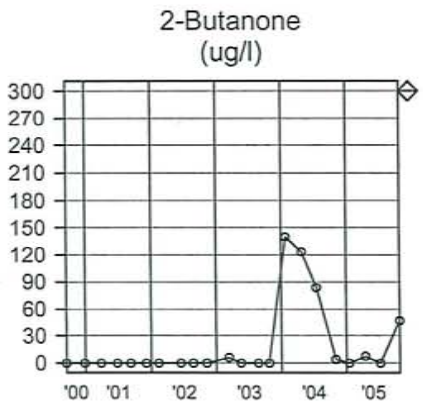
NOTES:

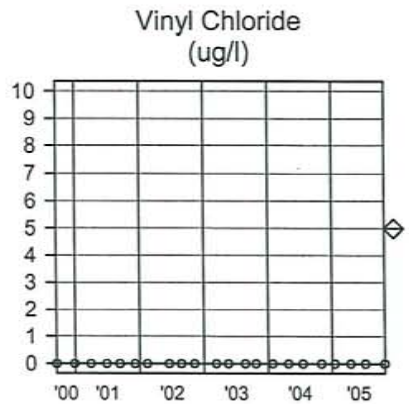
FORT MONMOUTH

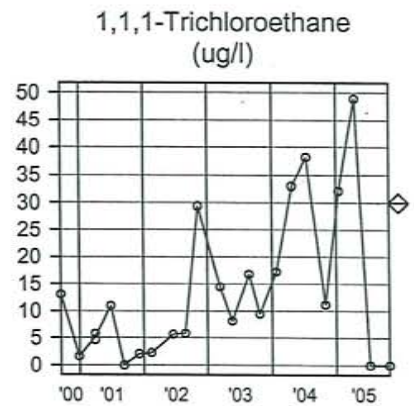
GW MONITORING
M-8 Bldg 697

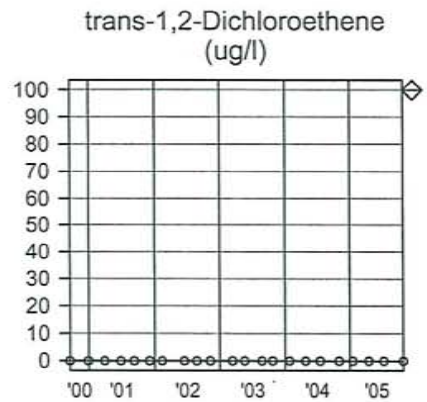
Source 10 of 14

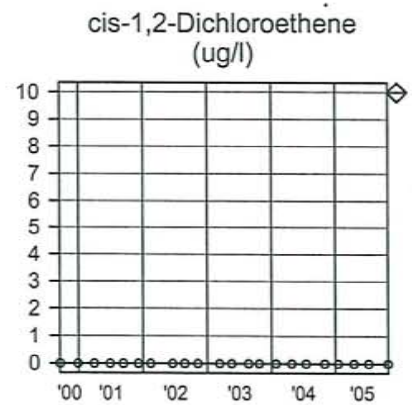
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

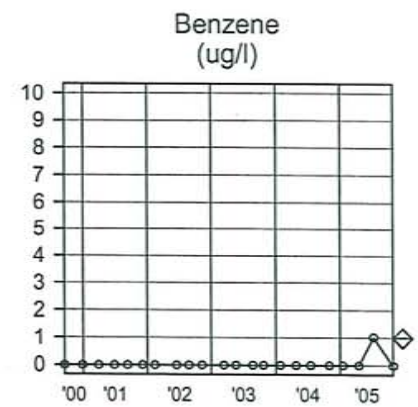


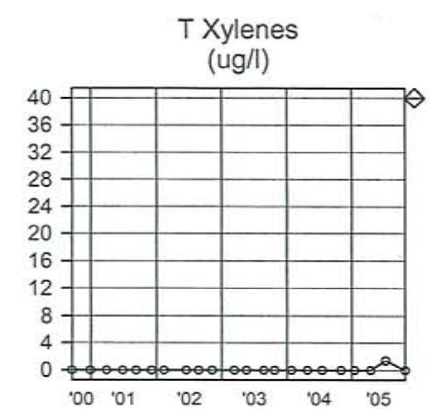


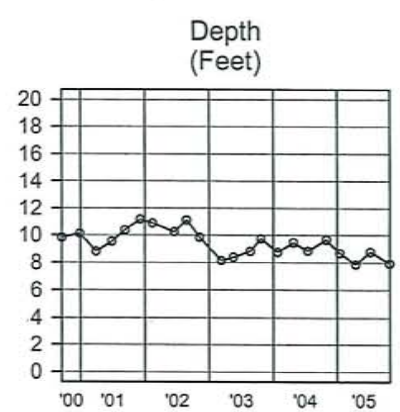












SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	7.83		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	7.98		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	6.99		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	7.45		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.37		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.75		V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	8.75		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.46		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	7.98		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.72		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	7.65		V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.44		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.38		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.99		V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.56		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.94		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.22		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.82		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.49		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.73		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.07		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.80		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.03		V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/26/2005

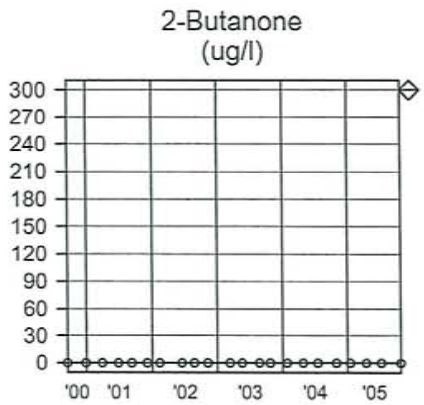
NOTES:

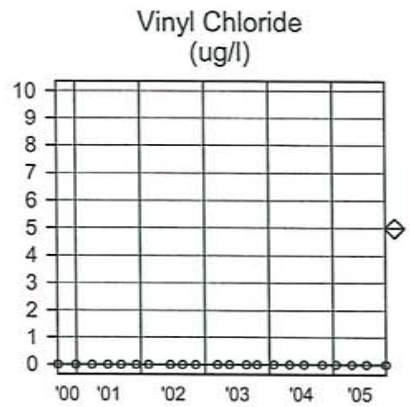
FORT MONMOUTH

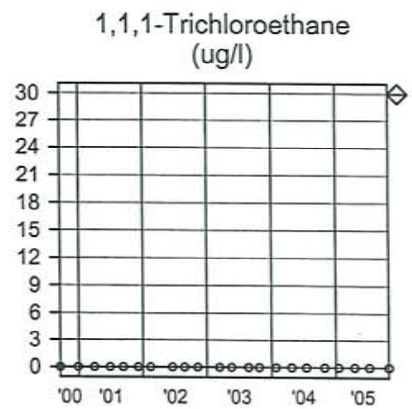
GW MONITORING
M-8 Bldg 697

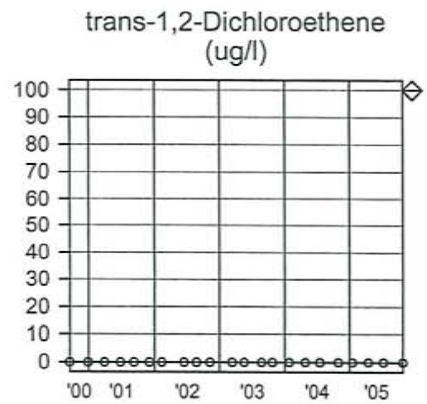
Source 4 of 14

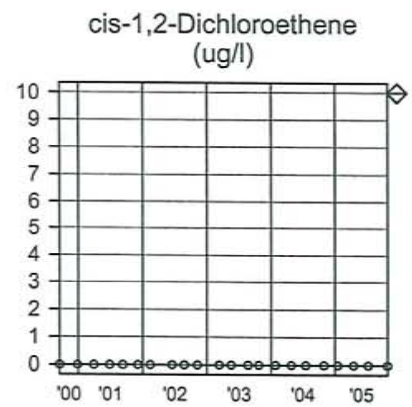
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

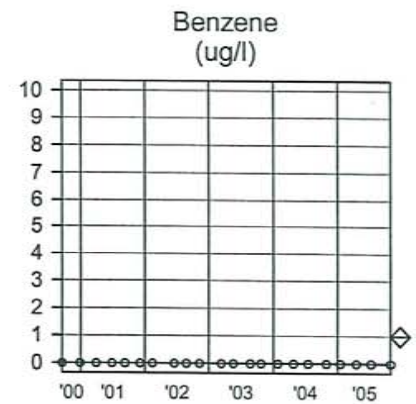


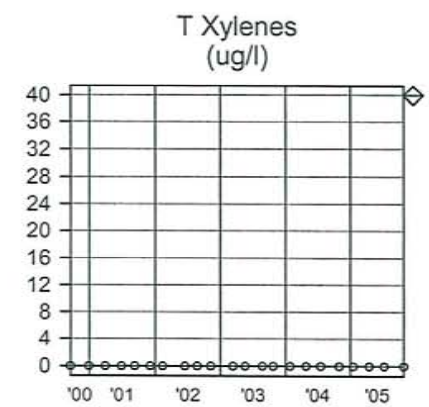


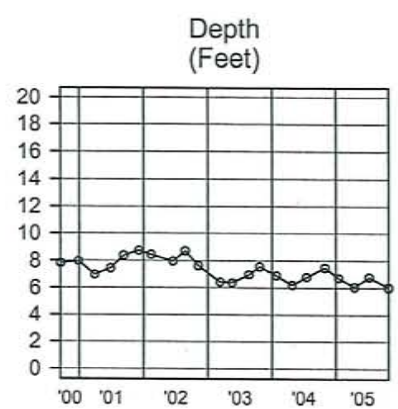












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/14/2000	FMETL	ND	ND	11.29	ND	ND	ND	ND	11.19		V,S,P,M
12/27/2000	FMETL	ND	ND	2.91	ND	ND	ND	ND	11.22		V,S,P,M
03/23/2001	FMETL	ND	ND	4.49	ND	ND	ND	ND	10.47		V,S,P,M
06/22/2001	FMETL	ND	ND	3.24	ND	ND	ND	ND	10.80		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	11.33		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	11.96		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	11.70		V,S,P,M
06/13/2002	FMETL	ND	ND	18.81	ND	ND	ND	ND	11.17		V,S,P,M
08/23/2002	FMETL	ND	ND	11.38	ND	ND	ND	ND	11.80		V,S,P,M
11/07/2002	FMETL	ND	ND	5.26	ND	ND	ND	ND	10.83		V,S,P,M
03/07/2003	FMETL	6.21	ND	12.84	ND	ND	ND	ND	9.76		V,S,P,M
05/15/2003	FMETL	198.04	ND	2.37	ND	ND	ND	ND	10.02		V,S,P,M
08/21/2003	FMETL	ND	ND	15.54	ND	ND	ND	ND	10.18		V,S,P,M
10/22/2003	FMETL	ND	ND	1.44	ND	ND	ND	ND	10.75		V,S,P,M
01/22/2004	FMETL	220.85	ND	1.12	ND	ND	ND	ND	11.11		V
04/22/2004	FMETL	25.54	ND	0.91	ND	ND	ND	ND	7.88		V
07/14/2004	FMETL	37.80	ND	0.64	ND	ND	ND	ND	9.90		V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	10.63		V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	10.00		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	9.27		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	9.96		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	9.17		V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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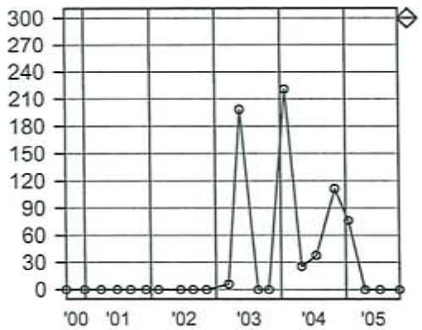
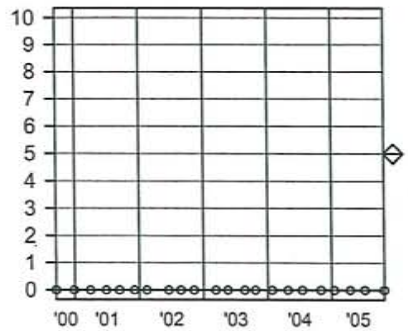
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

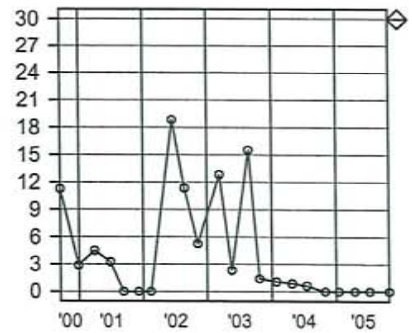
2-Butanone
(ug/l)



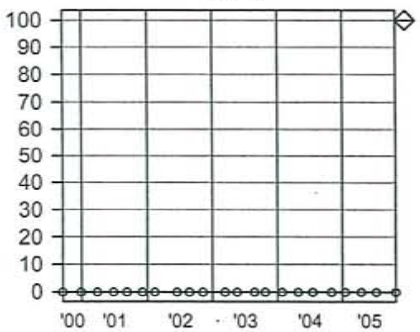
Vinyl Chloride
(ug/l)



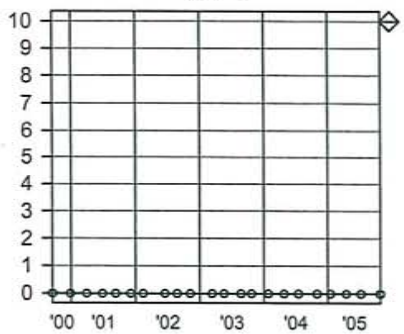
1,1,1-Trichloroethane
(ug/l)



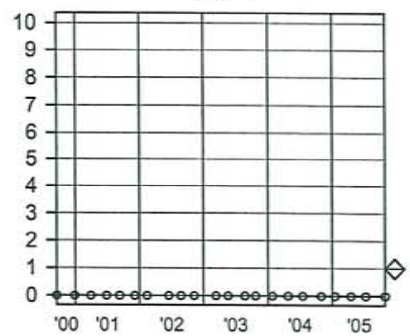
trans-1,2-Dichloroethene
(ug/l)



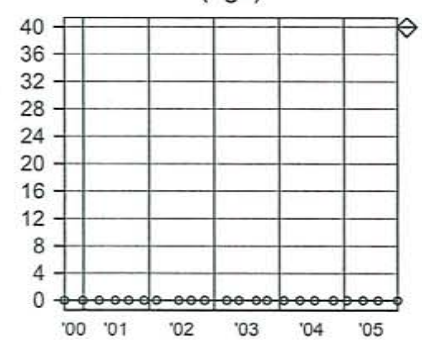
cis-1,2-Dichloroethene
(ug/l)



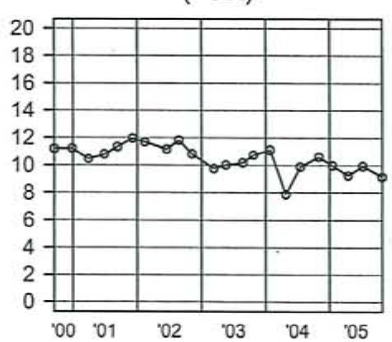
Benzene
(ug/l)



T Xylenes
(ug/l)



Depth
(Feet)



SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	7.23		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	7.32		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	6.56		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	6.90		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	7.52		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.07		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	7.82		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	7.36		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.03		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	6.87		V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.68		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.20		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.35		V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	6.58		V,S,P,M
01/22/2004	FMETL	10.62	ND	ND	ND	ND	ND	ND	6.35		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	5.75		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.24		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.77		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.11		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.78		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.14		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.51		V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14

U.S.ARMY
FORT MONMOUTH
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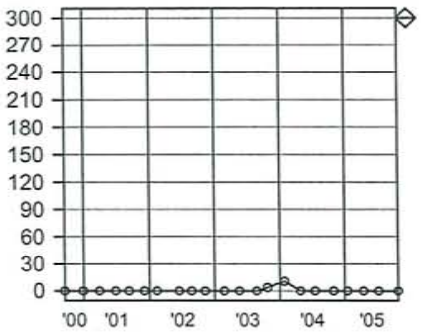
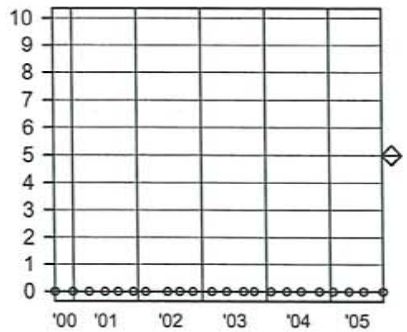
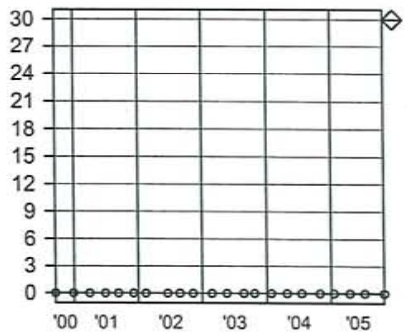
2-Butanone
(ug/l)



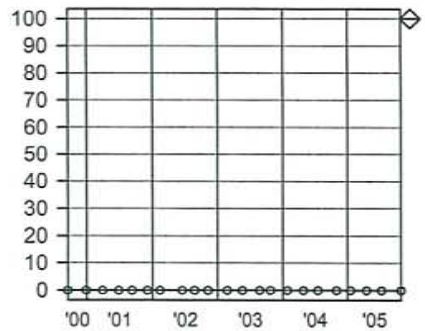
Vinyl Chloride
(ug/l)



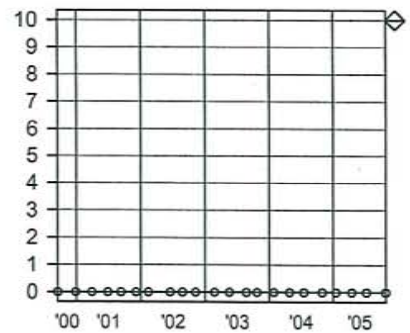
1,1,1-Trichloroethane
(ug/l)



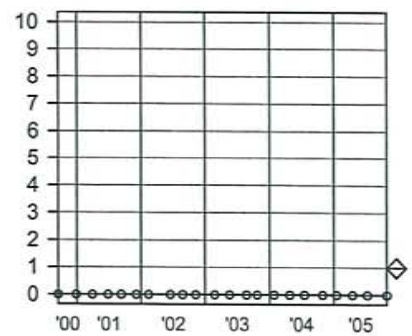
trans-1,2-Dichloroethene
(ug/l)



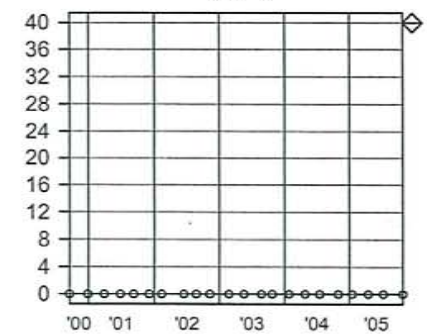
cis-1,2-Dichloroethene
(ug/l)



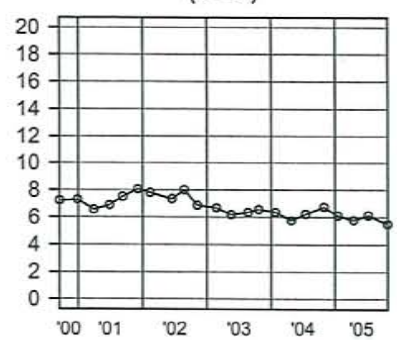
Benzene
(ug/l)



T Xylenes
(ug/l)



Depth
(Feet)



SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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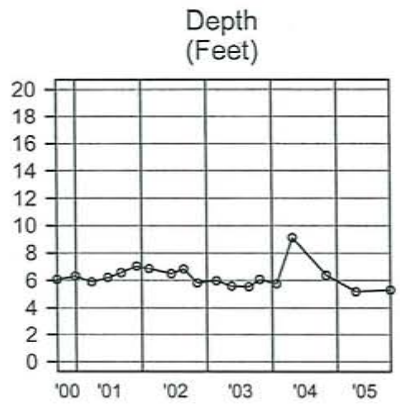

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
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Source 2 of 14

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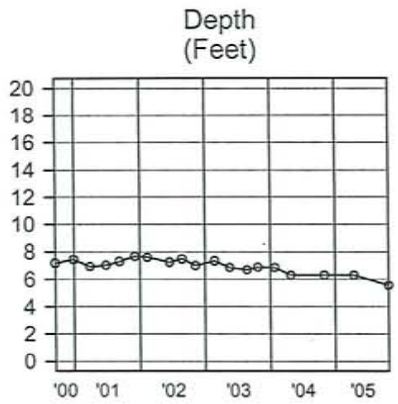

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/26/2005

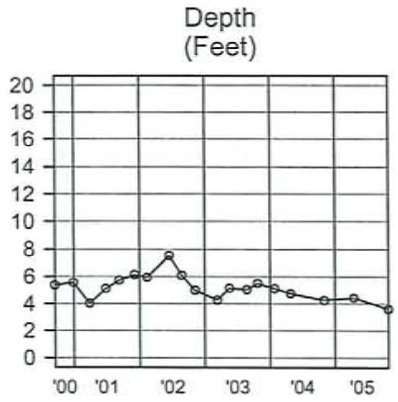
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/26/2005

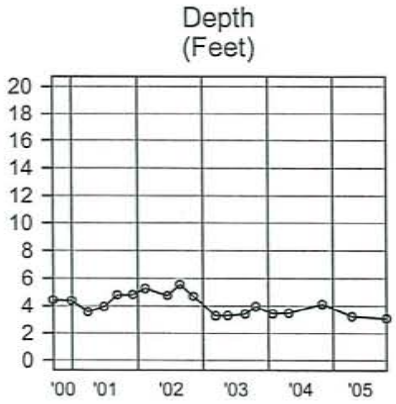
NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/26/2005

NOTES:

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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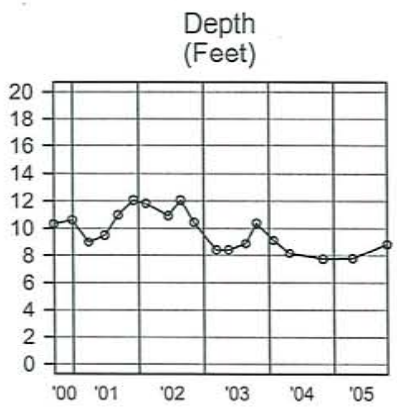
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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SELFM-PW-EV

	Lab	2-But anone	Vinyl Chloride	1,1,1-Tri chloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	T Xylenes	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	5	30	100	10	1	40	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	8.65		V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	8.65		V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND	ND	8.87		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.27		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.46		V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	8.46		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.85		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.85		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	9.18		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	9.15		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.74		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	9.09		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	8.14		V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.45		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.03		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.98		V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.38		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.92		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.26		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.51		V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	8.15		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.53		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.12		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.45		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.36		V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/26/2005

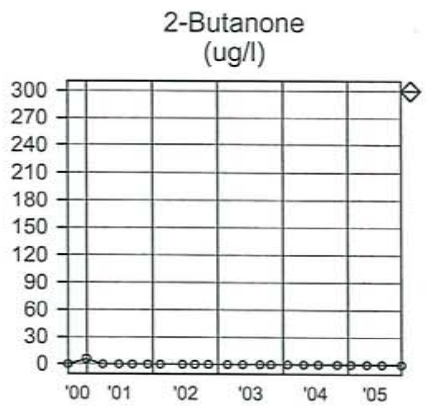
NOTES:

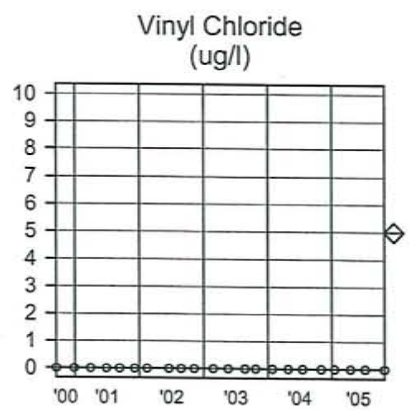
FORT MONMOUTH

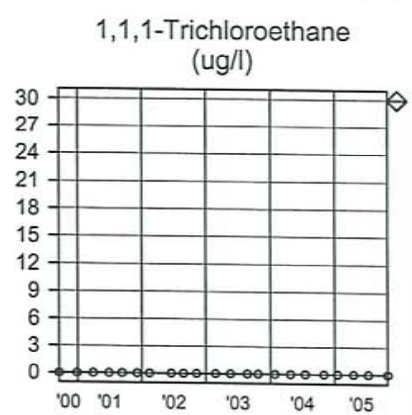
GW MONITORING
M-8 Bldg 697

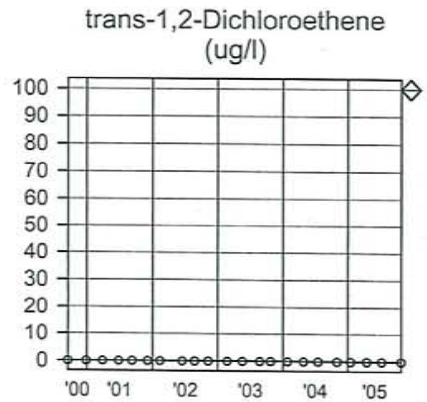
Source 6 of 14

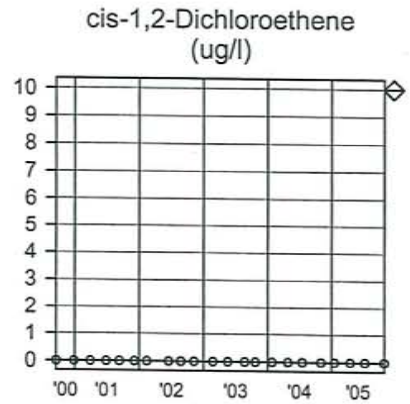
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

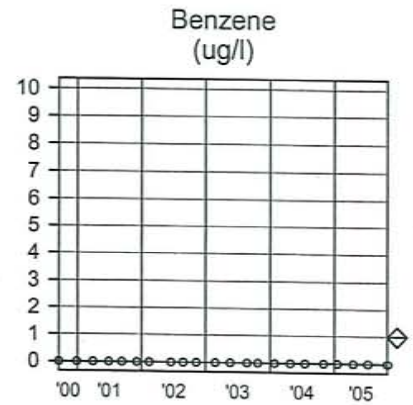


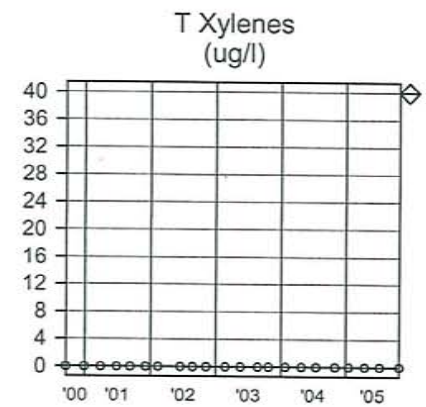


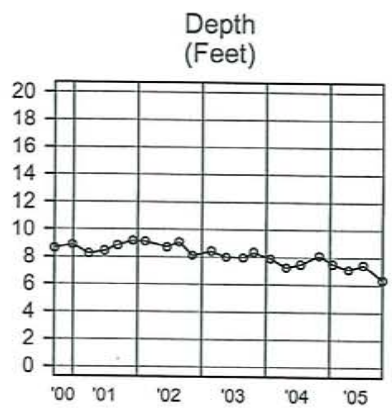












SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/26/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-30-2005 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6002504	0812MW01	29-42572	01/11/06
6002505	0812MW02	29-42573	01/11/06
Not Sampled	0812MW03	29-42574	----------
6002506	0812MW04	29-42575	01/11/06
6002507	0812MW05	29-42576	01/11/06
6002508	0812MW06	29-42577	01/11/06
6002509	0812MW07	29-42578	01/11/06
6002510	0812MW08	29-42579	01/11/06
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
6002511	0812MW14	29-42888	01/11/06

NJDEP Laboratory Certification # 13461

2-17-06
Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

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: DOUG GUENTHER
Phone: 732-532-0986
( )DERA ( )OMA ( )Other:_____
Project No:
Location: 1ST QUARTER MONITOR WELL SAMPLING
Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA HS								Comments: Remarks / Preservation Method
00025 .01	812 TRIP BLANK	1-11-06	8:30	AQ	2	X								
.02	812 FIELD BLANK	1-11-06	10:40	AQ	2	X								
.03	812 DUP.	1-11-06	—	AQ	2	X								
.04	812 MW #1	1-11-06	15:00	AQ	2	X								29-42572
.05	812 MW #2	1-11-06	15:20	AQ	2	X								29-42573
.06	812 MW #4	1-11-06	11:20	AQ	2	X								29-42575
.07	812 MW #5	1-11-06	14:40	AQ	2	X								29-42576
.08	812 MW #6 *	1-11-06	11:00	AQ	2	X								29-42577
.09	812 MW #7	1-11-06	14:30	AQ	2	X								29-42578
.10	812 MW #8	1-11-06	10:50	AQ	2	X								29-42579
.11	812 MW #14	1-11-06	14:50	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	1/11/06 15:58	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, ( )Rush___Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

COC.XLS10/11/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 7.06 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.56 ft
(41.56) X .65 X 3 =81.04
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:02
pH 6.87 su — TEMP 14.61 °C
DISSOLVED O_2 4.67 mg/L — SPECIFIC CONDUCTIVITY 2446.0 µs/cm

PURGE END TIME: 14:54
pH 6.38 su — TEMP 14.76 °C
DISSOLVED O_2 8.47 mg/L — SPECIFIC CONDUCTIVITY 1583.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:00
pH 6.79 su — TEMP 15.35 °C
DISSOLVED O_2 0.50 mg/L — SPECIFIC CONDUCTIVITY 1986.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 4.98 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.93 ft
(42.93) X .65 X 3 = 83.71
GALLONS OF H_2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:13
pH 7.26 su — TEMP 15.32 °C
DISSOLVED O_2 6.93 mg/L — SPECIFIC CONDUCTIVITY 2371.0 µs/cm

PURGE END TIME: 15:18
pH 6.97 su — TEMP 16.02 °C
DISSOLVED O_2 3.37 mg/L — SPECIFIC CONDUCTIVITY 1898.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.43 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 15:20
pH 7.48 su — TEMP 16.18 °C
DISSOLVED O_2 0.40 mg/L — SPECIFIC CONDUCTIVITY 1874.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 5.36 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 2.42 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.20 ft
(4.20) X .65 X 3 = 8.19
GALLONS OF H_2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:35
pH 6.02 su — TEMP 8.50 °C
DISSOLVED O_2 6.13 mg/L — SPECIFIC CONDUCTIVITY 2505.0 µs/cm

PURGE END TIME: 11:10
pH 5.96 su — TEMP 8.59 °C
DISSOLVED O_2 4.23 mg/L — SPECIFIC CONDUCTIVITY 2999.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.02 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 11:20
pH 6.28 su — TEMP 8.63 °C
DISSOLVED O_2 1.69 mg/L — SPECIFIC CONDUCTIVITY 2925.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 7.76 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.83 ft
(9.83) X .65 X 3 =18.91
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:03
pH 6.02 su
TEMP 14.65 °C
DISSOLVED O_2 2.49 mg/L
PECIFIC CONDUCTIVITY 2964.0 µs/cm

PURGE END TIME: 14:26
pH 5.58 su
TEMP 15.57 °C
DISSOLVED O_2 3.91 mg/L
SPECIFIC CONDUCTIVITY 2902.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.04 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:40
pH 5.64 su
TEMP 15.66 °C
DISSOLVED O_2 2.61 mg/L
SPECIFIC CONDUCTIVITY 2896.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 5.97 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.03 ft
(9.03) X .65 X 3 =17.60
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:29
pH 4.12 su — TEMP 14.25 °C
DISSOLVED O_2 4.59 mg/L — PECIFIC CONDUCTIVITY 2989.0 µs/cm

PURGE END TIME: 10:47
pH 4.14 su — TEMP 14.35 °C
DISSOLVED O_2 6.28 mg/L — SPECIFIC CONDUCTIVITY 2984.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.18 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:00
pH 4.02 su — TEMP 14.46 °C
DISSOLVED O_2 3.53 mg/L — SPECIFIC CONDUCTIVITY 2980.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 9.10 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.21 ft
(8.21) X .65 X 3 =16.00
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.00 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:14
pH 5.45 su
TEMP 14.67 °C
DISSOLVED O_2 1.25 mg/L
SPECIFIC CONDUCTIVITY 2964.0 µs/cm

PURGE END TIME: 14:24
pH 5.56 su
TEMP 15.22 °C
DISSOLVED O_2 6.12 mg/L
SPECIFIC CONDUCTIVITY 2926.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.46 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 14:30
pH 5.41 su
TEMP 15.25 °C
DISSOLVED O_2 0.89 mg/L
SPECIFIC CONDUCTIVITY 2924.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 5.62 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.64 ft
(9.64) X .65 X 3 =18.79
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20
pH 4.28 su — TEMP 14.99 °C
DISSOLVED O_2 2.15 mg/L — SPECIFIC CONDUCTIVITY 2936.0 µs/cm

PURGE END TIME: 10:43
pH 4.74 su — TEMP 14.82 °C
DISSOLVED O_2 6.76 mg/L — SPECIFIC CONDUCTIVITY 2938.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.82 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:50
pH 4.33 su — TEMP 15.35 °C
DISSOLVED O_2 1.93 mg/L — SPECIFIC CONDUCTIVITY 2917.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy, 45°
TIDE: w

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4.97 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 5.03 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 4.02 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 2.79 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 7.82ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/06
WEATHER: Cloudy and 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: 6.76 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.89 ft
(7.89) X .65 X 3 =15.38
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:26
pH 6.01 su — TEMP 13.01 °C
DISSOLVED O_2 3.81 mg/L — SPECIFIC CONDUCTIVITY 3085.0 µs/cm

PURGE END TIME: 14:36
pH 6.04 su — TEMP 13.26 °C
DISSOLVED O_2 4.21 mg/L — SPECIFIC CONDUCTIVITY 3066.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.04 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 14:50
pH 5.92 su — TEMP 13.20 °C
DISSOLVED O_2 3.14 mg/L — SPECIFIC CONDUCTIVITY 3070.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021392.D	Sample Name	MB 17Jan2006
Operator	Skelton	Field ID	MB 17Jan2006
Date Acquired	17 Jan 2006 3:28 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 17Jan2006**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 17Jan2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021392.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021399.D	Sample Name	6002501
Operator	Skelton	Field ID	Trip Blank
Date Acquired	17 Jan 2006 8:14 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5*	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002501

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021399.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021400.D	Sample Name	6002502
Operator	Skelton	Field ID	Field Blank
Date Acquired	17 Jan 2006 8:55 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/13/2006 1:27 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002502

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021400.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021401.D	Sample Name	6002503
Operator	Skelton	Field ID	Dupe
Date Acquired	17 Jan 2006 9:36 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002503

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021401.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021402.D	Sample Name	6002504
Operator	Skelton	Field ID	812MW#1
Date Acquired	17 Jan 2006 10:17 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#1**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002504

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021402.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021403.D	Sample Name	6002505
Operator	Skelton	Field ID	812MW#2
Date Acquired	17 Jan 2006 10:58 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#2**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002505

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021403.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021404.D	Sample Name	6002506
Operator	Skelton	Field ID	812MW#4
Date Acquired	17 Jan 2006 11:39 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.43	60773	1.31 ug/L	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.73	79638	0.52 ug/L	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.85	26576	0.24 ug/L	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#4**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002506

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021404.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/17/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021405.D	Sample Name	6002507
Operator	Skelton	Field ID	812MW#5
Date Acquired	18 Jan 2006 12:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.95	165073	5.47 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.90	74344	5.53 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.26	123819	1.74 ug/L	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.54	308020	27.45 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#5**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002507

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021405.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/18/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021406.D	Sample Name	6002508
Operator	Skelton	Field ID	812MW#6
Date Acquired	18 Jan 2006 1:01 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#6**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002508

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021406.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/18/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021407.D	Sample Name	6002509
Operator	Skelton	Field ID	812MW#7
Date Acquired	18 Jan 2006 1:42 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.94	34466	2.54 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.57	28362	2.51 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#7**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002509

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021407.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/18/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021408.D	Sample Name	6002510
Operator	Skelton	Field ID	812MW#8
Date Acquired	18 Jan 2006 2:23 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.93	24640	1.82 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#8**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002510

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021408.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/18/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB021409.D	Sample Name	6002511
Operator	Skelton	Field ID	812MW#14
Date Acquired	18 Jan 2006 3:04 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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2/13/2006 1:28 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60025 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6002511

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021409.D

Level: (low/med) LOW Date Received: 1/11/2006

% Moisture: not dec. Date Analyzed: 1/18/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	1	100	70	1	700	1000	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND	ND	ND	8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/11/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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Source 12 of 14

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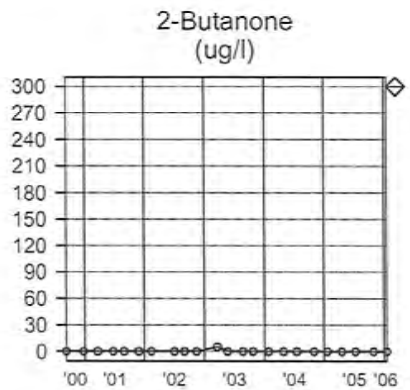

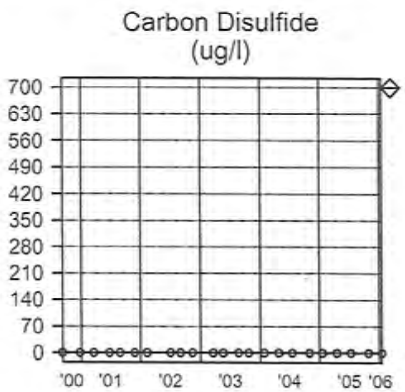

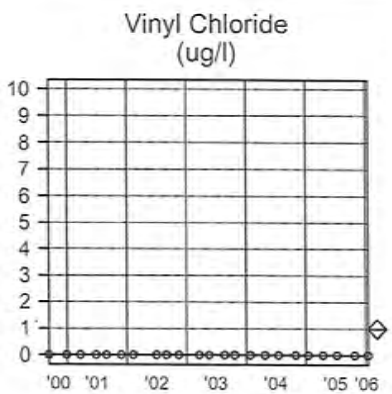

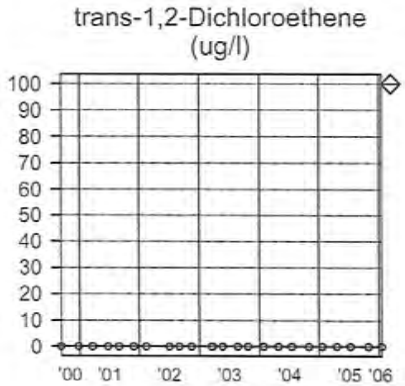

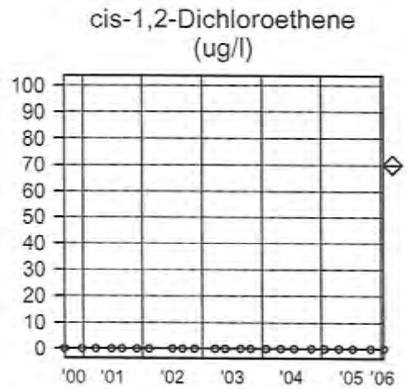

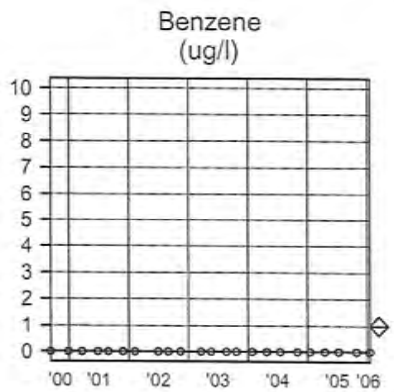

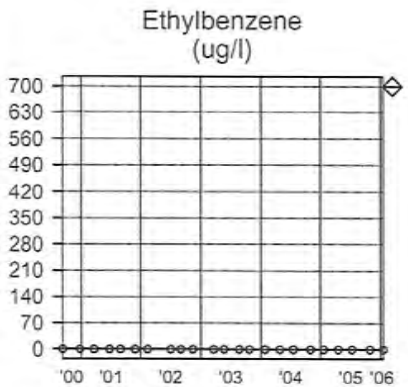

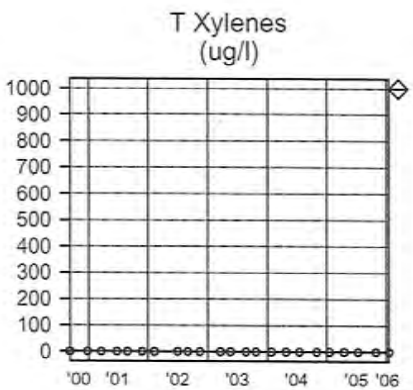

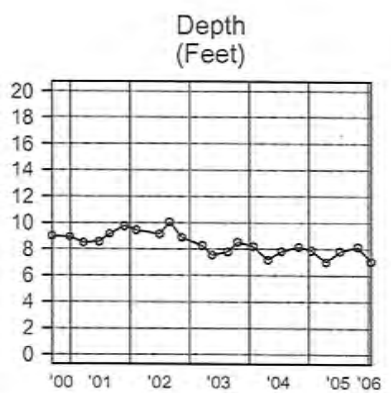

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 12 of 14, Graph

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SELFM-PW-EV

02-15-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	1	100	70	1	700	1000	-	-
09/09/2000	FMETL	ND	4.27	ND	ND	ND	ND	ND	ND	6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/11/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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Source 13 of 14

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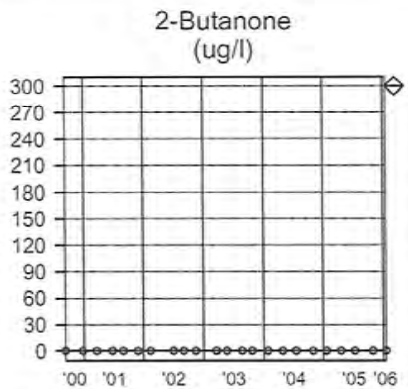
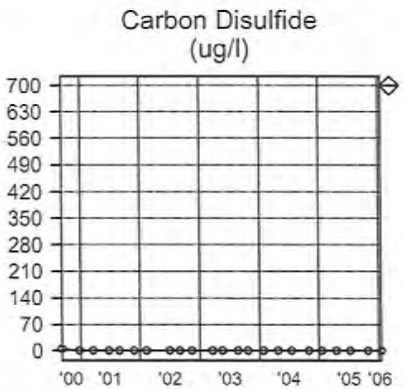
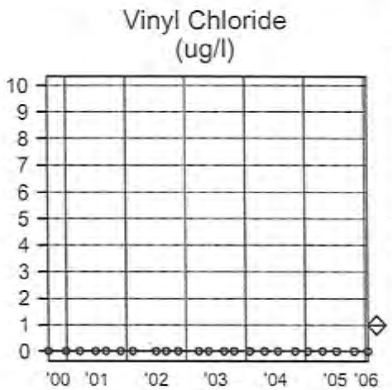
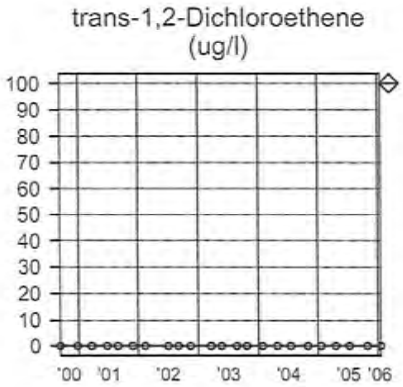
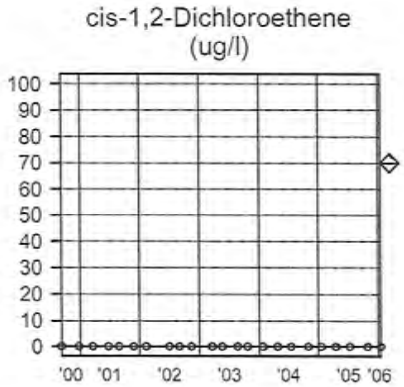
SELFM-PW-EV

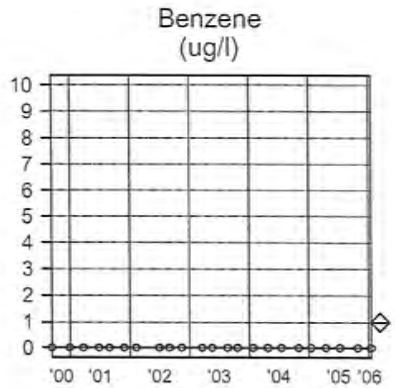


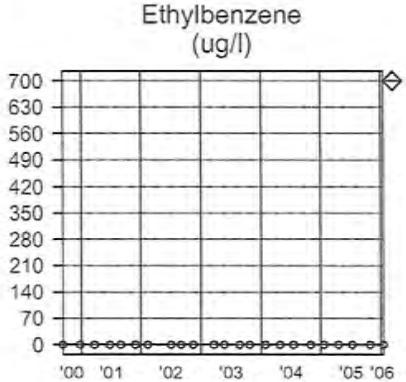


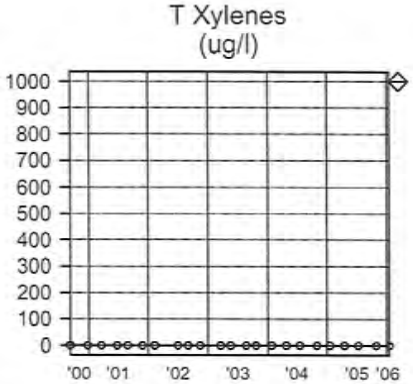


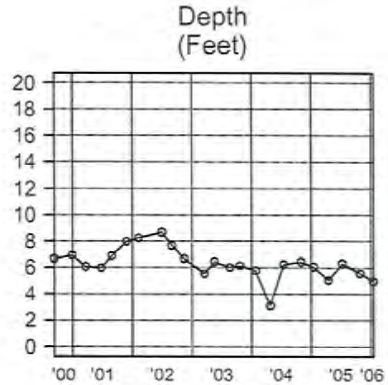












SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-15-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 01/11/2006

NOTES:

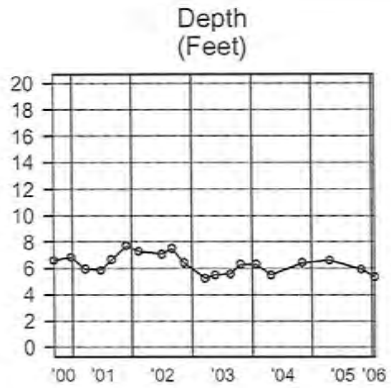
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	1	100	70	1	700	1000	-	-
09/14/2000	FMETL	ND	ND	4793.33	326.30	5669.25	6.58	136.41	120.22	4.76	V,S,P,M
12/27/2000	FMETL	ND	ND	3304.10	99.81	406.83	4.17	72.16	191.02	4.54	V,S,P,M
03/23/2001	FMETL	6.51	ND	355.91	22.64	316.55	ND	20.48	32.16	3.89	V,S,P,M
06/22/2001	FMETL	ND	ND	547.7	13.88	56.72	ND	8.70	8.51	5.45	V,S,P,M
09/07/2001	FMETL	ND	ND	3299.91	101.33	196.94	ND	126.76	301.23	4.97	V,S,P,M
12/03/2001	FMETL	ND	ND	2255.66	60.82	125.92	3.51	53.78	114.73	5.09	V,S,P,M
02/08/2002	FMETL	ND	12.65	4088.63	159.6	864.87	5.87	98.1	238.34	4.10	V,S,P,M
06/13/2002	FMETL	ND	26.65	4114.45	166.9	509.66	8.04	182.38	302.66	4.10	V,S,P,M
08/23/2002	FMETL	ND	10.71	4451.45	54.95	40.90	5.43	94.11	211.4	4.23	V,S,P,M
11/07/2002	FMETL	95.28	ND	61.91	1.21	7.76	ND	1.24	ND	3.10	V,S,P,M
02/21/2003	FMETL	199.53	ND	523.59	13.59	178.9	1.41	38.58	88.36	4.81	V,S,P,M
05/15/2003	FMETL	96.84	ND	111.93	ND	6.84	ND	ND	7.60	4.57	V,S,P,M
08/21/2003	FMETL	915.3	5.09	136.6	6.38	37.35	ND	9.01	20.7	4.05	V,S,P,M
10/22/2003	FMETL	220.34	ND	44.28	ND	4.58	0.58	9.55	26.61	4.00	V,S,P,M
01/22/2004	FMETL	ND	ND	4.06	ND	ND	ND	1.02	2.54	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	ND	47.06	2.55	ND	3.28	50.49	178.83	4.49	V
01/12/2005	FMETL	74.88	ND	30.64	1.54	1.19	0.46	32.42	84.21	0.08	V
04/12/2005	FMETL	182.21	ND	31.84	1.03	ND	1.98	45.57	183.47	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	ND	42.61	1.54	0.51	1.77	48.96	169.32	0.64	V
01/11/2006	FMETL	ND	ND	1.31	ND	ND	ND	0.52	0.24	2.42	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

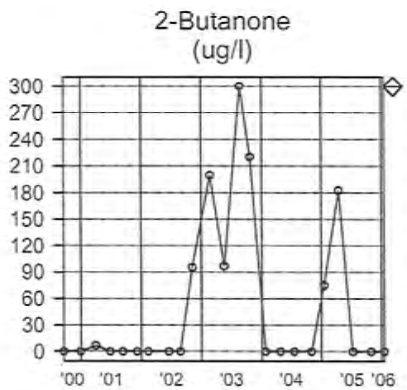
New Ground Water Quality Criteria as per 11/07/05

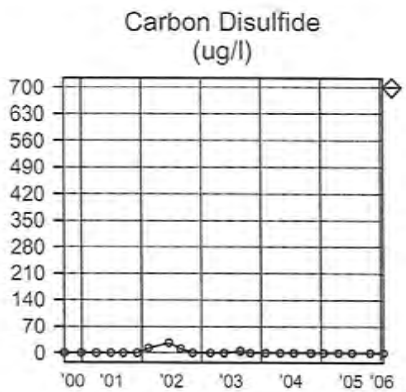
FORT MONMOUTH

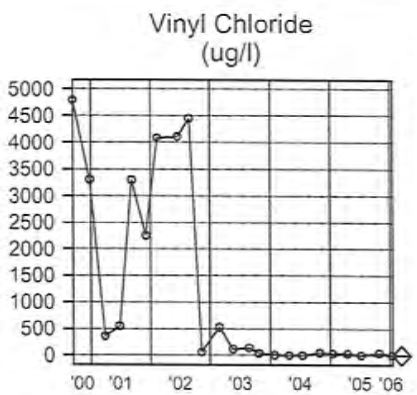
GW MONITORING
M-8 Bldg 697

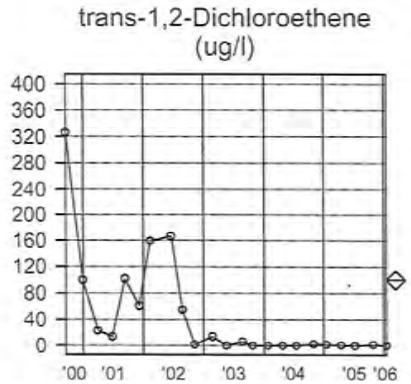
Source 11 of 14

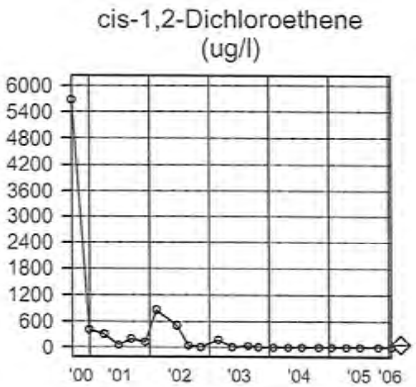
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

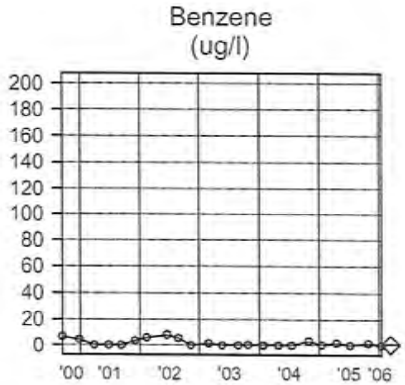


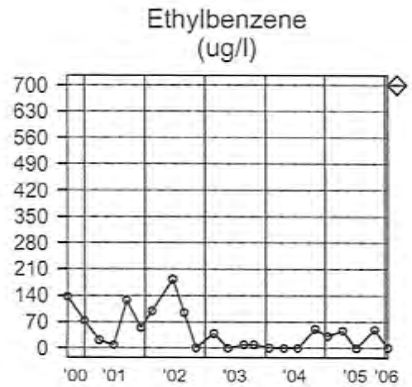


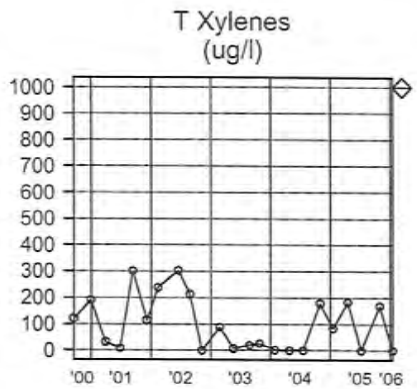


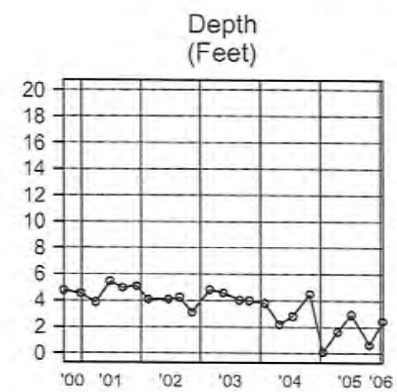












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 11 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

02-15-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Benzene	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	300	700	1	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	13.04		9.83				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	1.58		10.12				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	5.77		8.83				V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	4.62		8.83				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	10.94		9.54				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		10.38				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	2.06		11.16				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	2.27		10.87				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	5.66		10.25				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	5.83		11.13				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	29.36		9.85				V,S,P,M
03/07/2003	FMETL	5.90	4.93	ND	14.49	ND	8.17				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	8.16	ND	8.40				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	16.8	ND	8.85				V,S,P,M
10/22/2003	FMETL	ND	ND	ND	9.47	ND	9.75				V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	17.26	0.44	8.78				V
04/22/2004	FMETL	123.5	5.69	ND	32.95	0.7	9.48				V
07/14/2004	FMETL	83.49	ND	ND	38.23	0.86	8.89				V
11/01/2004	FMETL	4.11	ND	ND	11.17	ND	9.70				V
01/12/2005	FMETL	ND	ND	ND	32.14	0.68	8.72				V
04/12/2005	FMETL	7.55	ND	ND	48.92	0.70	7.89				V
07/06/2005	FMETL	ND	ND	1.02	ND	ND	8.81				V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	7.95				V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	7.76				V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

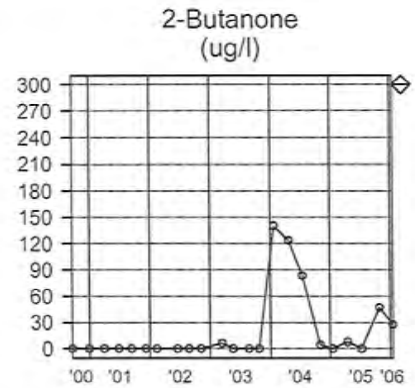
New Ground Water Quality Criteria as per 11/07/05

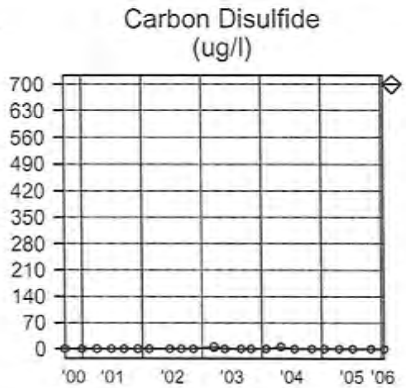
FORT MONMOUTH

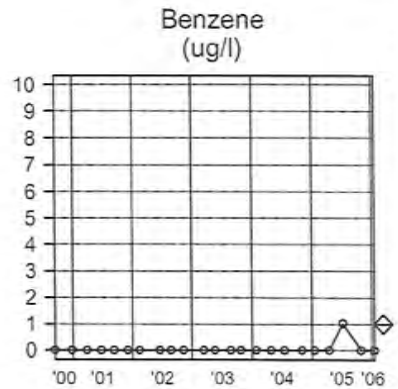
GW MONITORING
M-8 Bldg 697

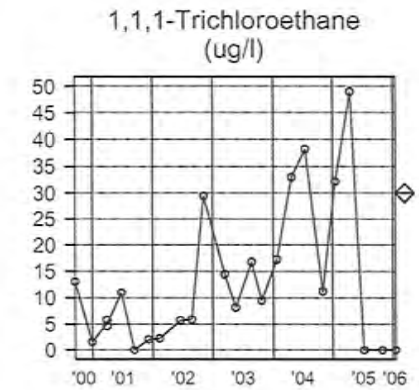
Source 10 of 14

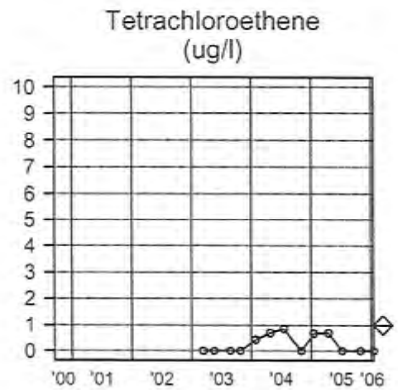
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

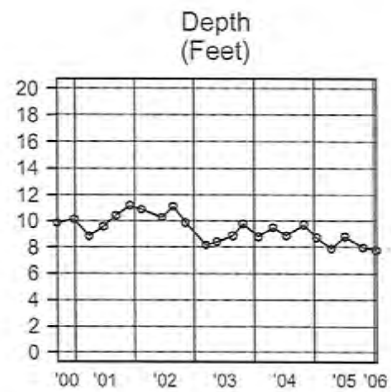












SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Benzene	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	300	700	1	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	ND		7.83				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND		7.98				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND		6.99				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND		7.45				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		8.37				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND		8.75				V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND		8.75				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND		8.46				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND		7.98				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND		8.72				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND		7.65				V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	6.44				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	6.38				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	6.99				V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	7.56				V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	6.94				V
04/22/2004	FMETL	ND	ND	ND	ND	ND	6.22				V
07/14/2004	FMETL	ND	ND	ND	ND	ND	6.82				V
10/28/2004	FMETL	ND	ND	ND	ND	ND	7.49				V
01/12/2005	FMETL	ND	ND	ND	ND	ND	6.73				V
04/12/2005	FMETL	ND	ND	ND	ND	ND	6.07				V
07/06/2005	FMETL	ND	ND	ND	ND	ND	6.80				V
10/26/2005	FMETL	ND	ND	ND	ND	ND	6.03				V
01/11/2006	FMETL	ND	ND	ND	ND	ND	5.97				V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

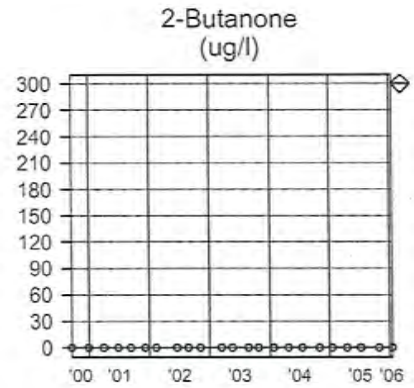
New Ground Water Quality Criteria as per 11/07/05

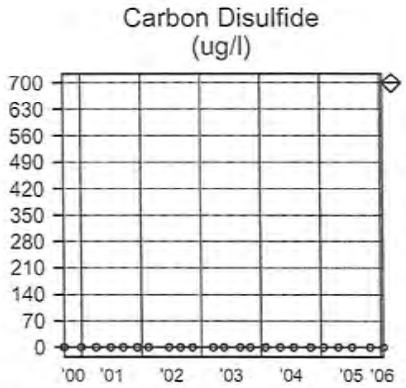
FORT MONMOUTH

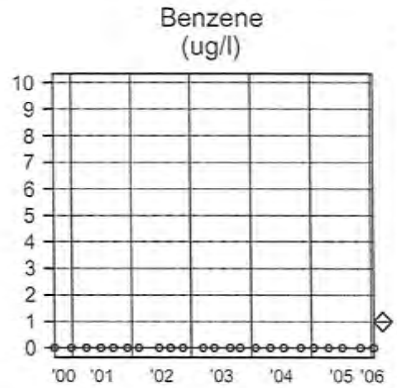
GW MONITORING
M-8 Bldg 697

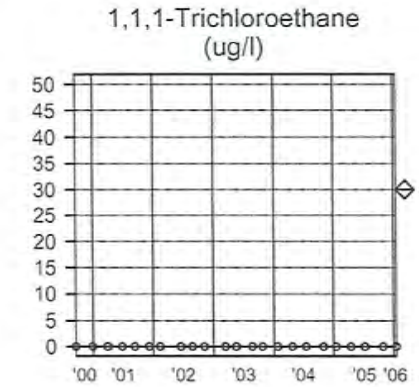
Source 4 of 14

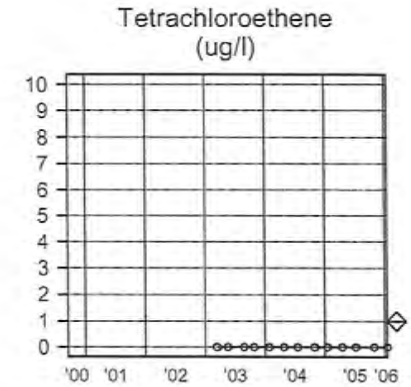
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

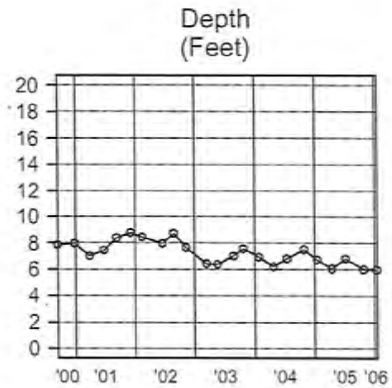












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Benzene	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	300	700	1	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	11.29		11.19				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	2.91		11.22				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	4.49		10.47				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	3.24		10.80				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		11.33				V,S,P,M
12/03/2001	FMETL	ND	5.85	ND	ND		11.96				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND		11.70				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	18.81		11.17				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	11.38		11.80				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	5.26		10.83				V,S,P,M
03/07/2003	FMETL	6.21	8.27	ND	12.84	ND	9.76				V,S,P,M
05/15/2003	FMETL	198.04	17.95	ND	2.37	ND	10.02				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	15.54	ND	10.18				V,S,P,M
10/22/2003	FMETL	ND	ND	ND	1.44	ND	10.75				V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	1.12	0.46	11.11				V
04/22/2004	FMETL	25.54	ND	ND	0.91	ND	7.88				V
07/14/2004	FMETL	37.80	ND	ND	0.64	ND	9.90				V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	10.63				V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	10.00				V
04/12/2005	FMETL	ND	ND	ND	ND	ND	9.27				V
07/06/2005	FMETL	ND	ND	ND	ND	ND	9.96				V
10/26/2005	FMETL	ND	ND	ND	ND	ND	9.17				V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	9.10				V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

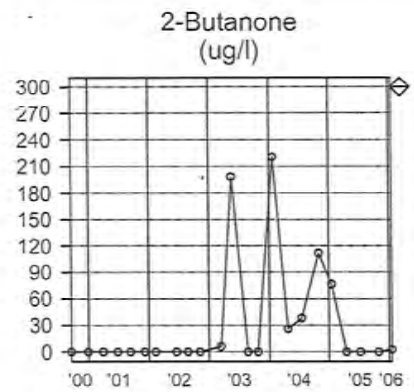
New Ground Water Quality Criteria as per 11/07/05

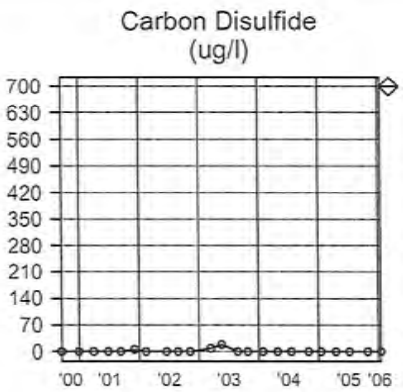
FORT MONMOUTH

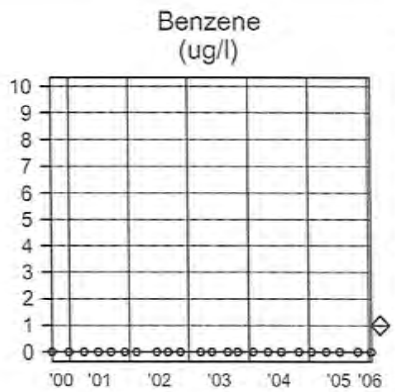
GW MONITORING
M-8 Bldg 697

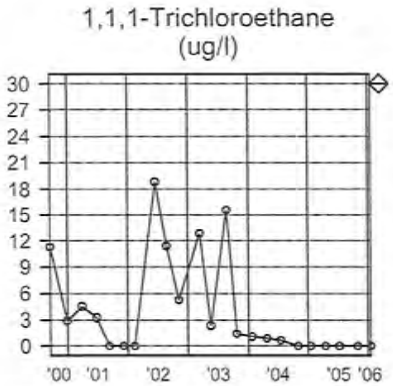
Source 7 of 14

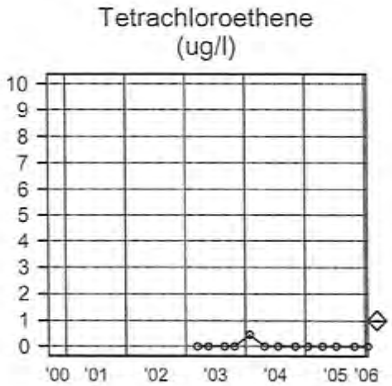
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

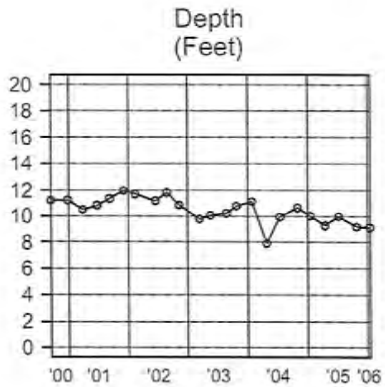












SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Benzene	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	300	700	1	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	ND		7.23				V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND		7.32				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND		6.56				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND		6.90				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		7.52				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND		8.07				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND		7.82				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND		7.36				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND		8.03				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND		6.87				V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	6.68				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	6.20				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	6.35				V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	6.58				V,S,P,M
01/22/2004	FMETL	10.62	3.06	ND	ND	0.46	6.35				V
04/22/2004	FMETL	ND	ND	ND	ND	ND	5.75				V
07/14/2004	FMETL	ND	ND	ND	ND	ND	6.24				V
10/28/2004	FMETL	ND	ND	ND	ND	ND	6.77				V
01/12/2005	FMETL	ND	ND	ND	ND	ND	6.11				V
04/12/2005	FMETL	ND	ND	ND	ND	ND	5.78				V
07/06/2005	FMETL	ND	ND	ND	ND	ND	6.14				V
10/26/2005	FMETL	ND	ND	ND	ND	ND	5.51				V
01/11/2006	FMETL	ND	ND	ND	ND	ND	5.62				V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

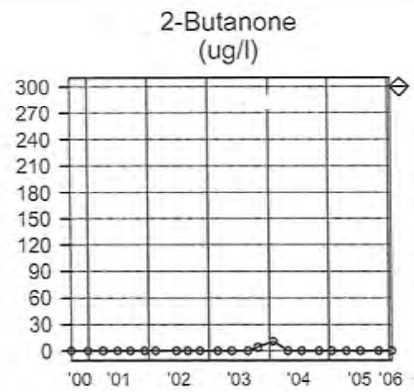
New Ground Water Quality Criteria as per 11/07/05

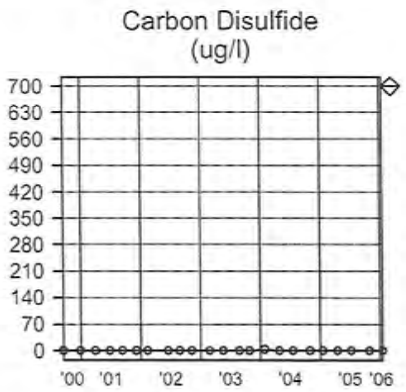
FORT MONMOUTH

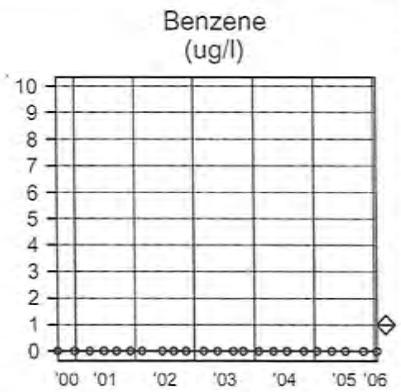
GW MONITORING
M-8 Bldg 697

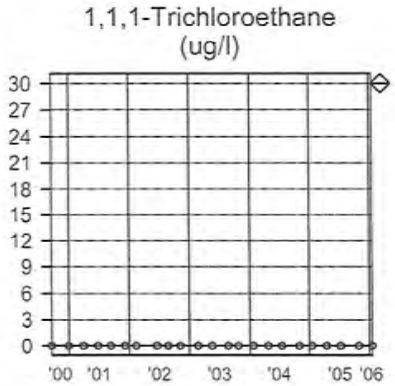
Source 8 of 14

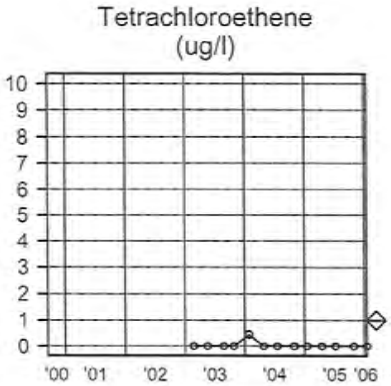
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

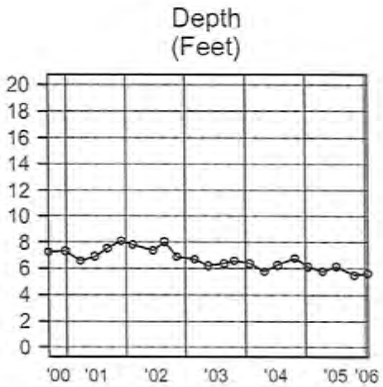












SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

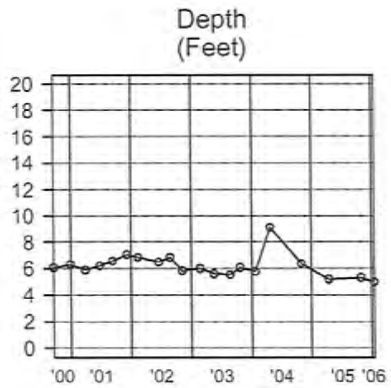
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

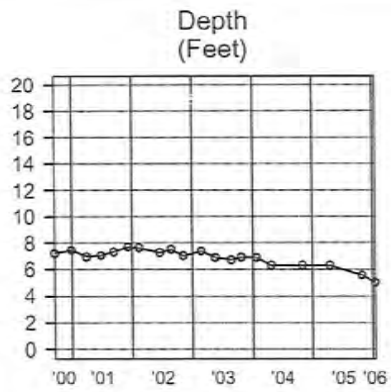
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

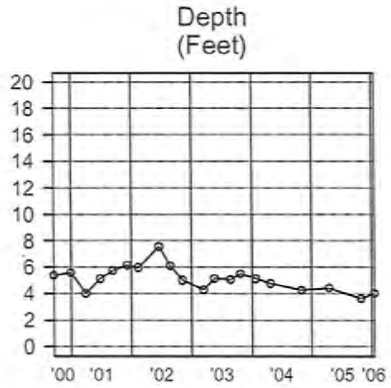
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

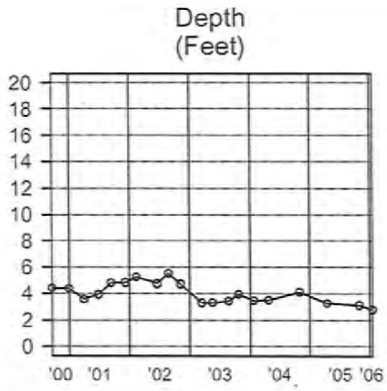
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

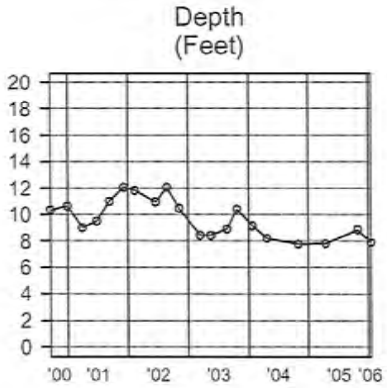
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Benzene	1,1,1-Tri chloro ethane	Tetra chloro ethene	Depth				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	300	700	1	30	1	-				-
09/14/2000	FMETL	ND	ND	ND	ND		8.65				V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND		8.65				V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND		8.87				V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND		8.27				V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND		8.46				V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND		8.46				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		8.85				V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND		8.85				V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND		9.18				V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND		9.15				V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND		8.74				V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND		9.09				V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND		8.14				V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	8.45				V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	8.03				V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	7.98				V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	8.38				V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	7.92				V
04/22/2004	FMETL	ND	ND	ND	ND	ND	7.26				V
07/14/2004	FMETL	ND	ND	ND	ND	ND	7.51				V
11/01/2004	FMETL	ND	ND	ND	ND	ND	8.15				V
01/12/2005	FMETL	ND	ND	ND	ND	ND	7.53				V
04/12/2005	FMETL	ND	ND	ND	ND	ND	7.12				V
07/06/2005	FMETL	ND	ND	ND	ND	ND	7.45				V
10/26/2005	FMETL	ND	ND	ND	ND	ND	6.36				V
01/11/2006	FMETL	ND	ND	ND	ND	ND	6.76				V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/11/2006

NOTES:

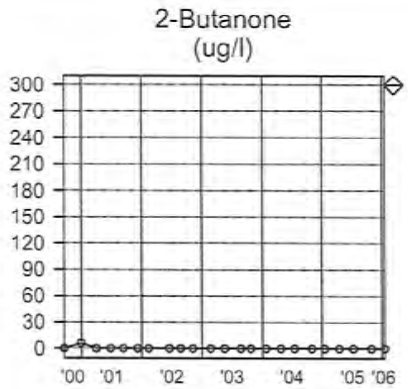
New Ground Water Quality Criteria as per 11/07/05

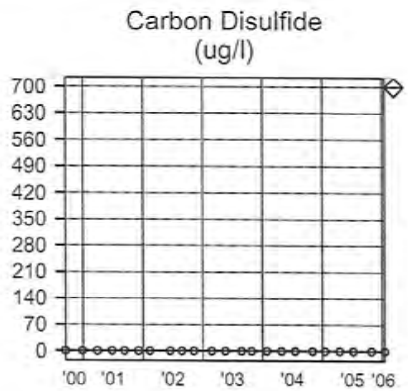
FORT MONMOUTH

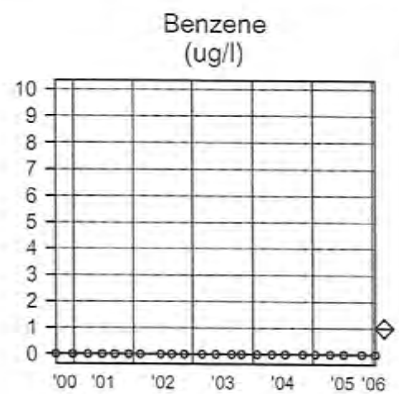
GW MONITORING
M-8 Bldg 697

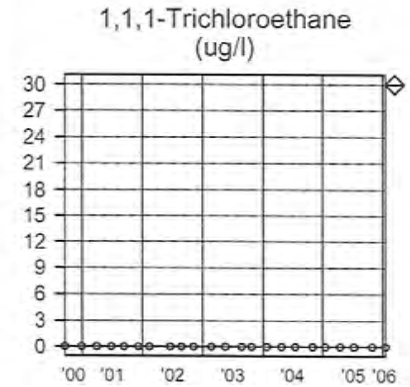
Source 6 of 14

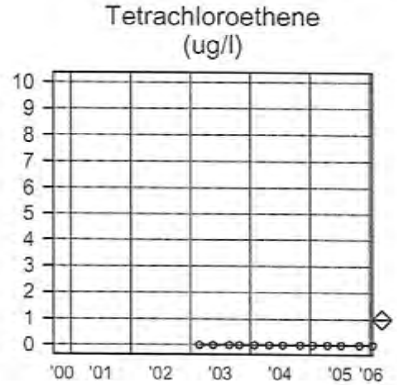
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

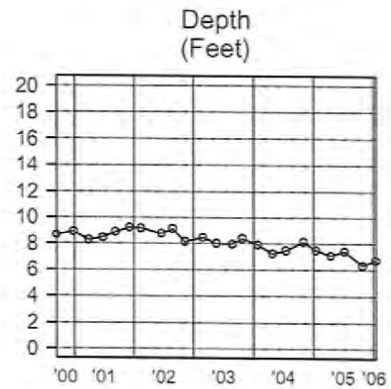












SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/11/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6014904	0812MW01	29-42572	04/12/06
6014905	0812MW02	29-42573	04/12/06
Not Sampled	0812MW03	29-42574	----------
6014906	0812MW04	29-42575	04/12/06
6014907	0812MW05	29-42576	04/12/06
6014908	0812MW06	29-42577	04/12/06
6014909	0812MW07	29-42578	04/12/06
6014910	0812MW08	29-42579	04/12/06
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
6014911	0812MW14	29-42888	04/12/06

NJDEP Laboratory Certification # 13461

5-23-06
Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

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: JOE FALLON
Phone:
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 2ND QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: /TVS WALTER FUNK

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA +15								Remarks / Preservation Method
60149 .01	812 TRIP BLANK	4-12-06	8:00	AQ	2	X								
.02	812 FIELD BLANK	4-12-06	10:00	AQ	2	X								
.03	812 DUP.	4-12-06	—	AQ	2	X								
.04	812 MW#01	4-12-06	14:50	AQ	2	X								29-42572
.05	812 MW#02	4-12-06	15:10	AQ	2	X								29-42573
.06	812 MW#04	4-12-06	10:10	AQ	2	X								29-42575
.07	812 MW#05	4-12-06	14:30	AQ	2	X								29-42576
.08	812 MW#06	4-12-06	11:00	AQ	2	X								29-42577
.09	812 MW#07	4-12-06	14:20	AQ	2	X								29-42578
.10	812 MW#08 *	4-12-06	10:50	AQ	2	X								29-42579
.11	812 MW#14	4-12-06	14:40	AQ	2	X								29-42888

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/12/06 15:25	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush___Days, ( )ASAP Verbal ___Hrs.

Remarks:

print legibly

COC.XLS3/21/2006

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.32 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.30 ft
(41.30) X .65 X 3 =80.53
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 08:55
pH 6.60 su
DISSOLVED O_2 1.48 mg/L
TEMP 13.06 °C
SPECIFIC CONDUCTIVITY 353.0 µs/cm

PURGE END TIME: 14:47
pH 6.59 su
DISSOLVED O_2 3.98 mg/L
TEMP 15.18 °C
SPECIFIC CONDUCTIVITY 416.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.86 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 14:50
pH 6.79 su
DISSOLVED O_2 0.61 mg/L
TEMP 14.98 °C
SPECIFIC CONDUCTIVITY 387.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.82 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.09 ft
(42.09) X .65 X 3 = 82.07
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:07
pH 7.16 su
TEMP 14.01 °C
DISSOLVED O_2 3.16 mg/L
SPECIFIC CONDUCTIVITY 348.0 µs/cm

PURGE END TIME: 15:04
pH 6.97 su
TEMP 15.90 °C
DISSOLVED O_2 2.62 mg/L
SPECIFIC CONDUCTIVITY 351.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 15:10
pH 7.09 su
TEMP 15.77 °C
DISSOLVED O_2 0.59 mg/L
SPECIFIC CONDUCTIVITY 358.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.51 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.75 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.87 ft
(2.87) X .65 X 3 = 5.59
GALLONS OF H_2O TO BE PURGED: 6 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:41
pH 6.27 su — TEMP 11.62 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 412.0 µs/cm

PURGE END TIME: 10:07
pH 6.59 su — TEMP 12.25 °C
DISSOLVED O_2 3.98 mg/L — SPECIFIC CONDUCTIVITY 506.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 6 gal

SAMPLE START TIME: 10:10
pH 6.67 su — TEMP 12.67 °C
DISSOLVED O_2 3.71 mg/L — SPECIFIC CONDUCTIVITY 499.0 µs/cm

SAMPLE END TIME: 10:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.51 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.08 ft
(9.08) X .65 X 3 =17.70
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:00
pH 5.61 su
DISSOLVED O_2 1.58 mg/L
TEMP 13.12 °C
PECIFIC CONDUCTIVITY 2762.0 µs/cm

PURGE END TIME: 14:18
pH 5.35 su
DISSOLVED O_2 4.58 mg/L
TEMP 13.40 °C
SPECIFIC CONDUCTIVITY 2665.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.14 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:30
pH 5.26 su
DISSOLVED O_2 3.27 mg/L
TEMP 13.29 °C
SPECIFIC CONDUCTIVITY 2650.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.68 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.32 ft
(8.32) X .65 X 3 =16.22
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:31
pH 4.41 su
DISSOLVED O_2 3.65 mg/L
TEMP 13.00 °C
PECIFIC CONDUCTIVITY 1045.0 µs/cm

PURGE END TIME: 10:45
pH 4.02 su
DISSOLVED O_2 3.50 mg/L
TEMP 13.07 °C
SPECIFIC CONDUCTIVITY 1118.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.89 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:00
pH 3.74 su
DISSOLVED O_2 2.83 mg/L
TEMP 12.94 °C
SPECIFIC CONDUCTIVITY 1226.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.83 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.48 ft
(7.48) X .65 X 3 =14.58
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:09
pH 4.84 su
TEMP 13.96 °C
DISSOLVED O_2 2.57 mg/L
SPECIFIC CONDUCTIVITY 2745.0 µs/cm

PURGE END TIME: 14:14
pH 5.48 su
TEMP 14.66 °C
DISSOLVED O_2 2.66 mg/L
SPECIFIC CONDUCTIVITY 2276.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.26 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:20
pH 5.01 su
TEMP 13.93 °C
DISSOLVED O_2 0.71 mg/L
SPECIFIC CONDUCTIVITY 2134.0 µs/cm

SAMPLE END TIME: 14:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.96 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.30 ft
(9.30) X .65 X 3 =18.13
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:17
pH 4.45 su
DISSOLVED O_2 4.05 mg/L
TEMP 13.62 °C
SPECIFIC CONDUCTIVITY 1555.0 µs/cm

PURGE END TIME: 10:40
pH 4.54 su
DISSOLVED O_2 5.07 mg/L
TEMP 14.36 °C
SPECIFIC CONDUCTIVITY 977.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.73 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:50
pH 4.04 su
DISSOLVED O_2 4.59 mg/L
TEMP 14.08 °C
SPECIFIC CONDUCTIVITY 923.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.26 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.41 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.07 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.94 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.68 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/12/06
WEATHER: Sunny and cool.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.30 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.35 ft
(7.35) X .65 X 3 =14.33
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:20
pH 5.37 su
DISSOLVED O_2 3.50 mg/L
TEMP 13.29 °C
SPECIFIC CONDUCTIVITY 1327.0 µs/cm

PURGE END TIME: 14:25
pH 5.65 su
DISSOLVED O_2 4.72 mg/L
TEMP 13.48 °C
SPECIFIC CONDUCTIVITY 1378.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:40
pH 5.55 su
DISSOLVED O_2 3.41 mg/L
TEMP 13.29 °C
SPECIFIC CONDUCTIVITY 1261.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022009.D	Sample Name	MB 14Apr06
Operator	Skelton	Field ID	MB 14Apr06
Date Acquired	14 Apr 2006 1:40 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.67	101378	1.30 ug/L	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 14Apr06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 14Apr06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022009.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022018.D	Sample Name	6014901
Operator	Skelton	Field ID	Trip Blank
Date Acquired	14 Apr 2006 8:01 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.68	72816	1.07 ug/L	70	0.22 ug/L	2.00 ug/L	B
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014901

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022018.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022019.D	Sample Name	6014902
Operator	Skelton	Field ID	Field Blank
Date Acquired	14 Apr 2006 8:42 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.68	52231	0.80 ug/L	70	0.22 ug/L	2.00 ug/L	B
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014902

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022019.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022020.D	Sample Name	6014903
Operator	Skelton	Field ID	Dupe
Date Acquired	14 Apr 2006 9:23 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014903

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022020.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022021.D	Sample Name	6014904
Operator	Skelton	Field ID	812MW#01
Date Acquired	14 Apr 2006 10:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014904

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022021.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.48	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022022.D	Sample Name	6014905
Operator	Skelton	Field ID	812MW#02
Date Acquired	14 Apr 2006 10:45 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014905

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022022.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022023.D	Sample Name	6014906
Operator	Skelton	Field ID	812MW#04
Date Acquired	14 Apr 2006 11:27 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.23	36931	0.75 ug/L	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.90	15161	0.30 ug/L	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene	18.14	223376	1.50 ug/L	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene	22.68	1604101	10.12 ug/L	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.72	6186636	37.64 ug/L	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.01	1105298	18.48 ug/L	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.84	1895466	15.02 ug/L	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014906

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022023.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/14/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000115-11-7	1-Propene, 2-methyl-	5.26	16	JN
2.	unknown	5.46	56	J
3. 000103-65-1	Benzene, propyl-	28.24	12	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.44	12	JN
5. 000526-73-8	Benzene, 1,2,3-trimethyl-	28.59	35	JN
6. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.03	29	JN
7. 000095-36-3	1,2,4-Trimethylbenzene	29.35	76	JN
8. 000526-73-8	Benzene, 1,2,3-trimethyl-	30.22	8	JN
9. 000611-15-4	Benzene, 1-ethenyl-2-methyl-	30.51	31	JN
10. 027133-93-3	2,3-Dihydro-1-methylindene	33.08	8	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022024.D	Sample Name	6014907
Operator	Skelton	Field ID	812MW#05
Date Acquired	15 Apr 2006 12:08 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.96	683771	18.82 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.96	43363	1.54 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.28	104846	1.54 ug/L	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.55	96090	6.60 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.88	13868	0.25 ug/L	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014907

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022024.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. _____ Date Analyzed: 4/15/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022025.D	Sample Name	6014908
Operator	Skelton	Field ID	812MW#06
Date Acquired	15 Apr 2006 12:49 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014908

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022025.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/15/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022026.D	Sample Name	6014909
Operator	Skelton	Field ID	812MW#07
Date Acquired	15 Apr 2006 1:30 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.54	262041	20.19 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014909

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022026.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/15/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.49	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022027.D	Sample Name	6014910
Operator	Skelton	Field ID	812MW#08
Date Acquired	15 Apr 2006 2:11 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014910

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022027.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/15/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.50	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022028.D	Sample Name	6014911
Operator	Skelton	Field ID	812MW#14
Date Acquired	15 Apr 2006 2:53 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60149 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6014911

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022028.D

Level: (low/med) LOW Date Received: 4/12/2006

% Moisture: not dec. Date Analyzed: 4/15/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.48	4	JN

LTM

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND			8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/12/2006

NOTES:

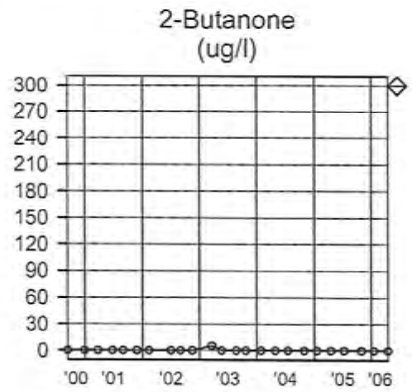
New Ground Water Quality Criteria as per 11/07/05

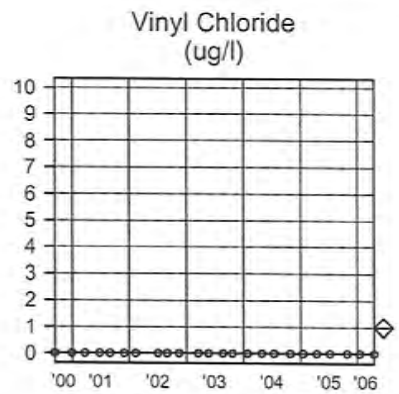
FORT MONMOUTH

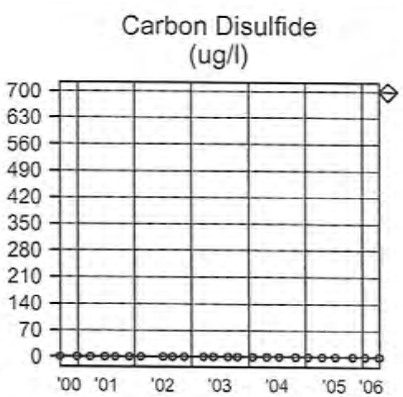
GW MONITORING
M-8 Bldg 697

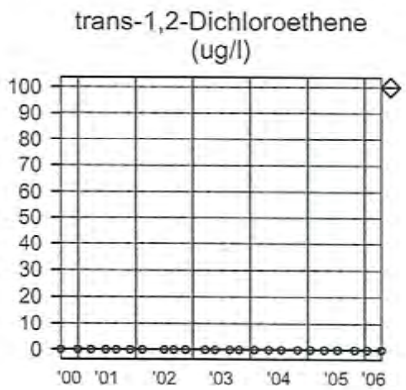
Source 12 of 14

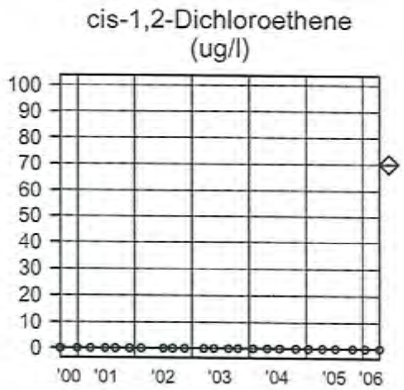
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

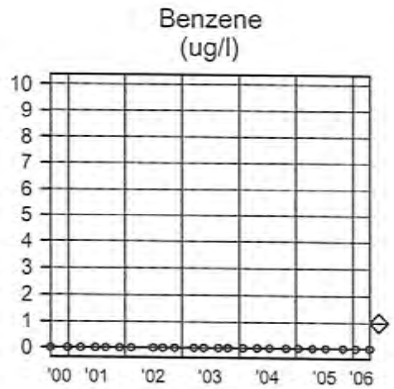


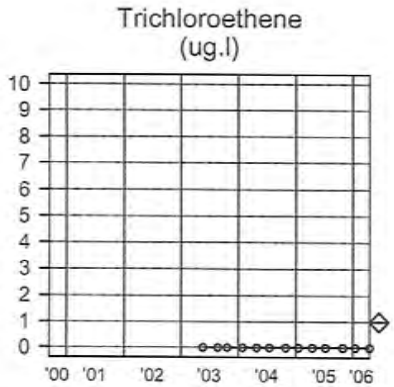


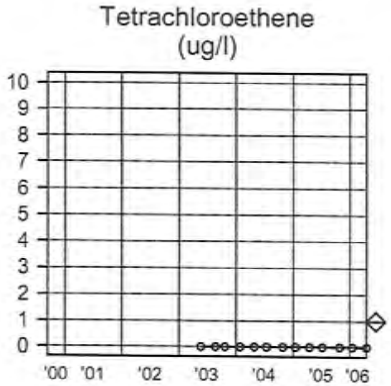


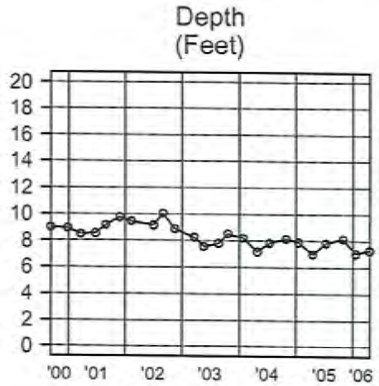












SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	4.27	ND	ND	ND			6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND			5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/12/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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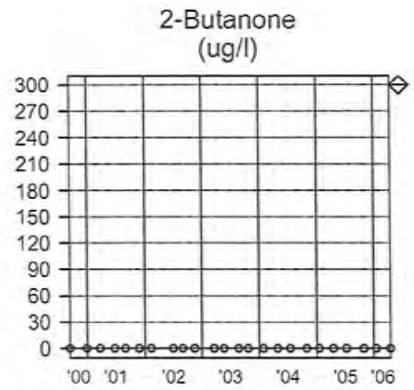
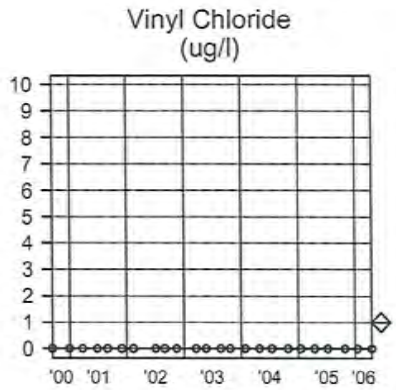
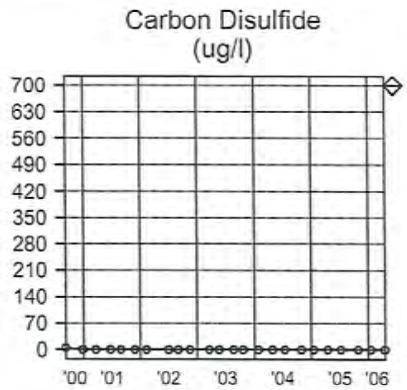
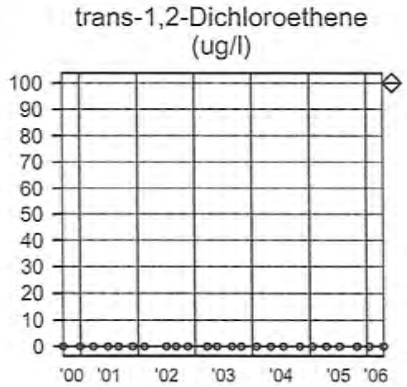
Source 13 of 14

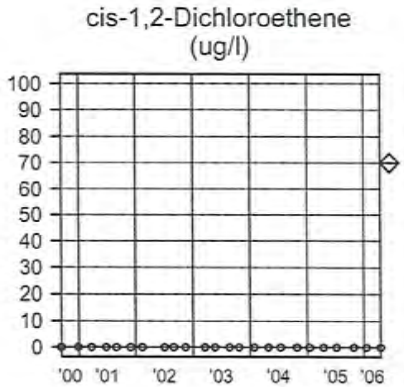
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

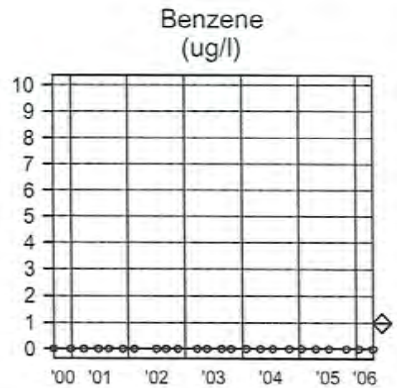


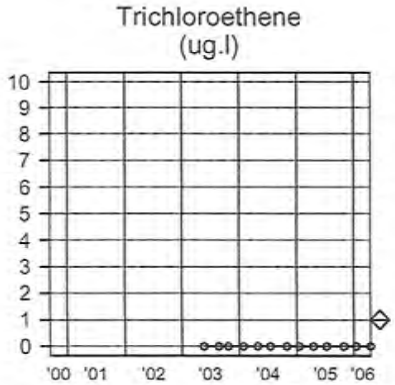


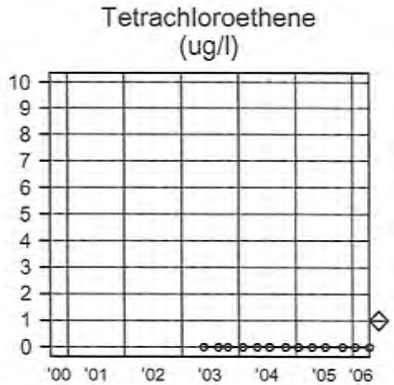


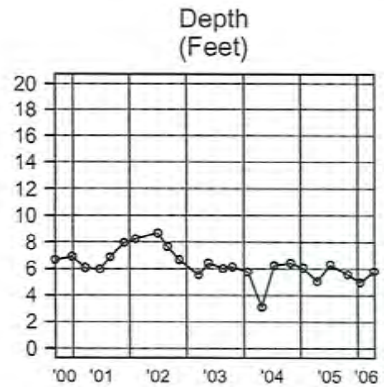












SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/12/2006

NOTES:

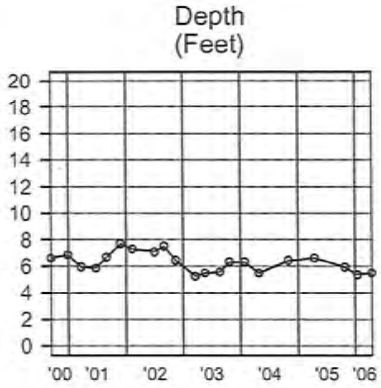
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58			4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17			4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND			3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND			5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	ND	101.33	196.94	ND			4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51			5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87			4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04			4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43			4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	5.09	6.38	37.35	ND	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	ND	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	ND	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	ND	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	ND	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	ND	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	ND	ND	2.42	V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	ND	ND	3.75	V

.SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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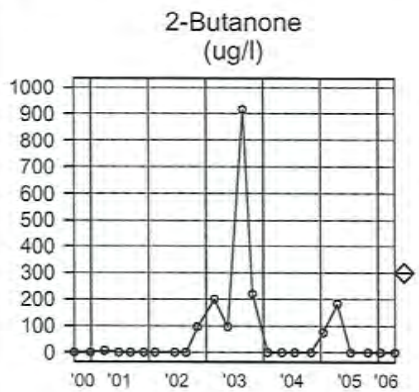
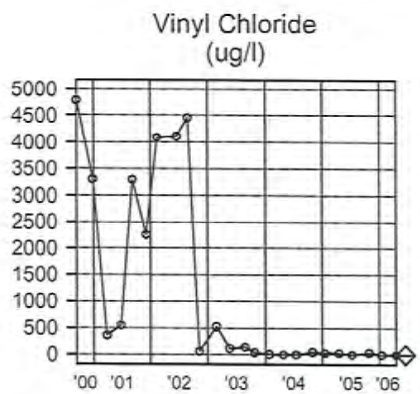
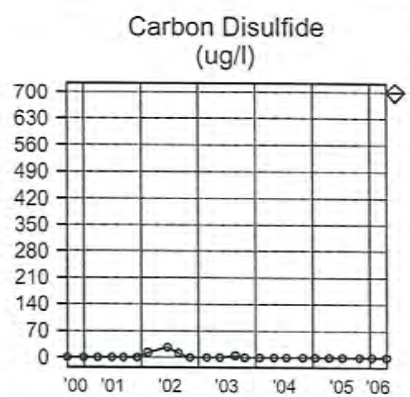
M-8 Bldg 697

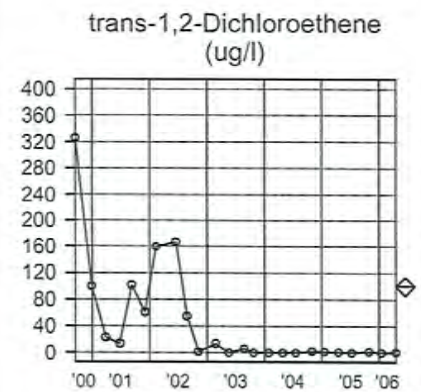
Source 11 of 14

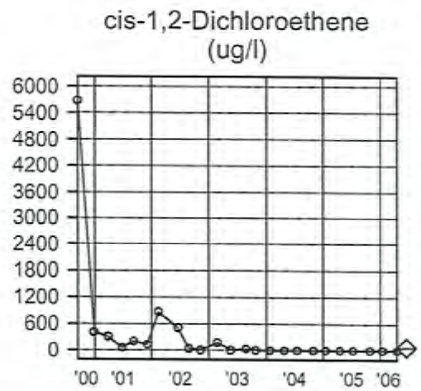
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

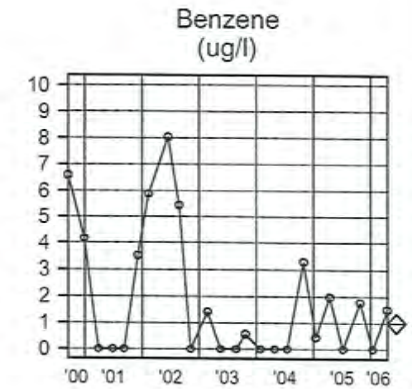


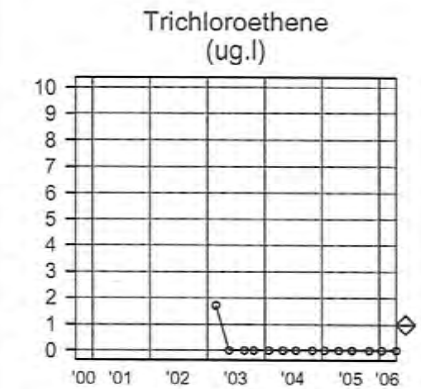


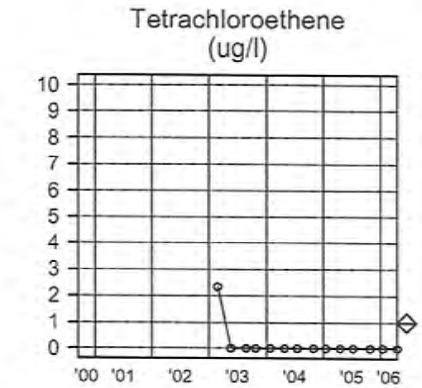


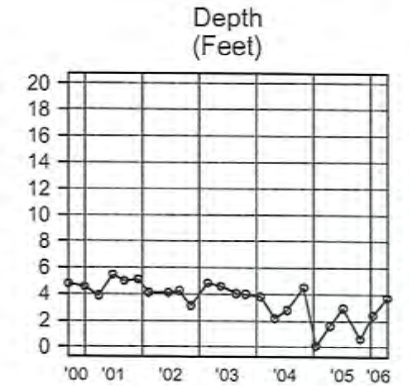












SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 11 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	4.93	ND	ND	ND	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	5.69	ND	ND	ND	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	ND	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	ND	8.51	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14

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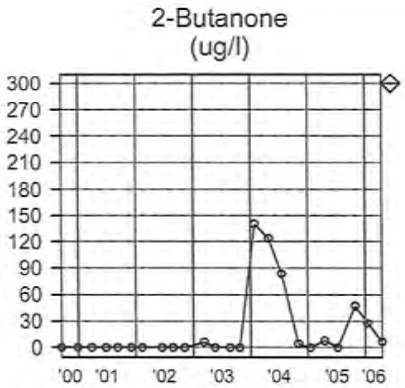
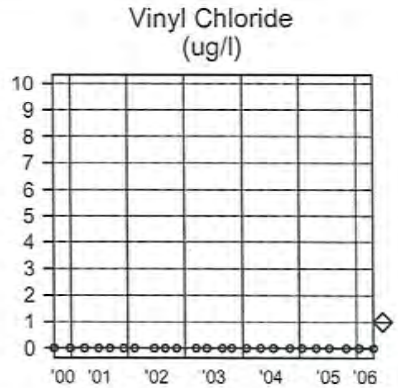
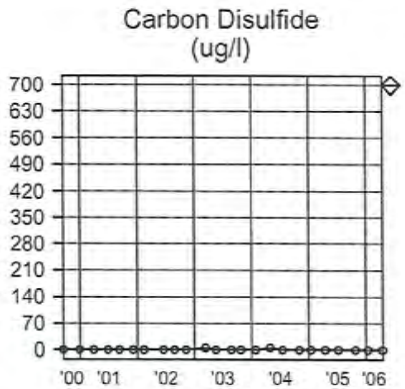
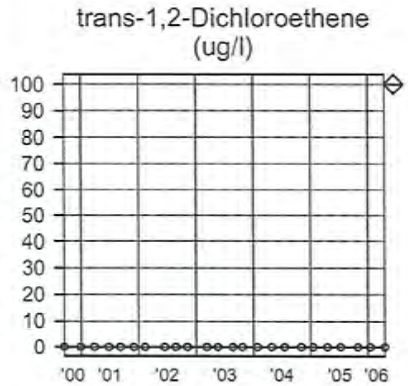
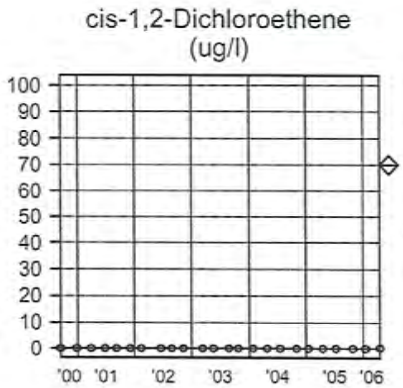
SELFM-PW-EV

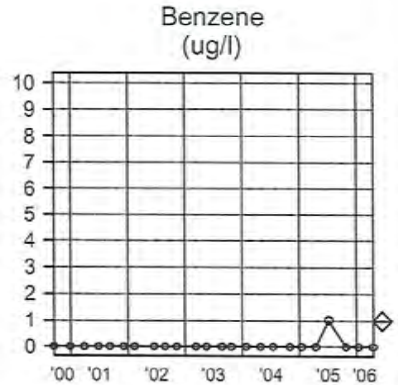


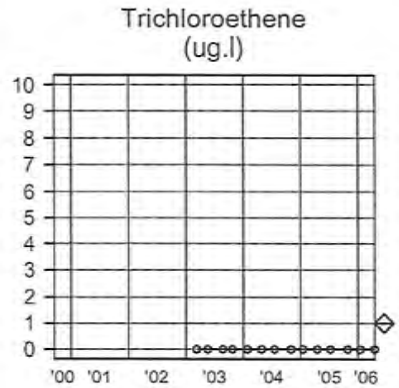


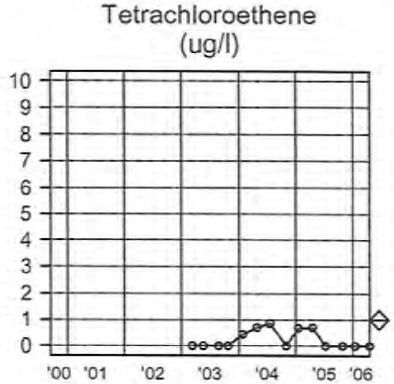


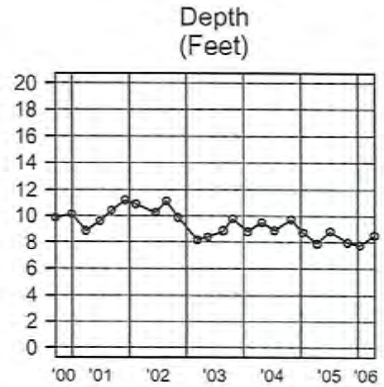












SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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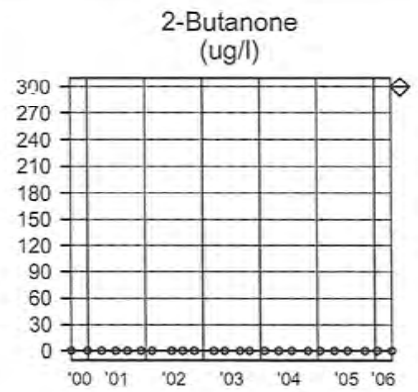
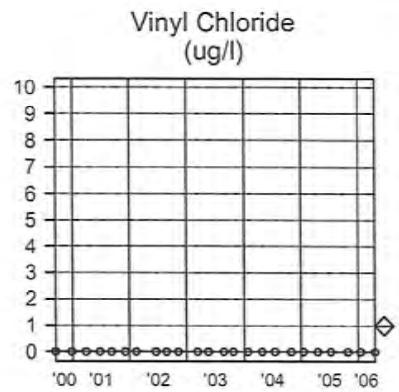
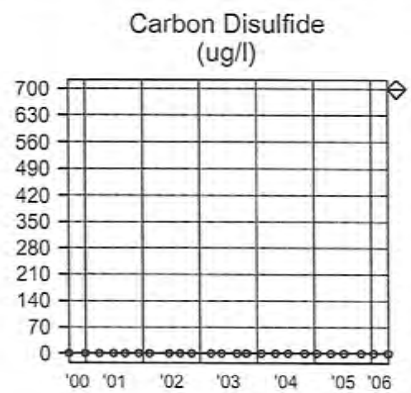
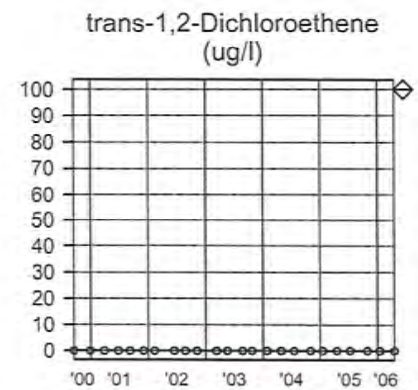
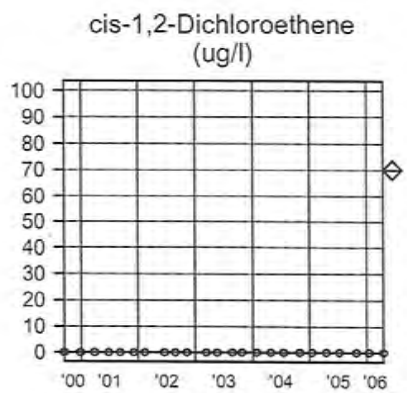
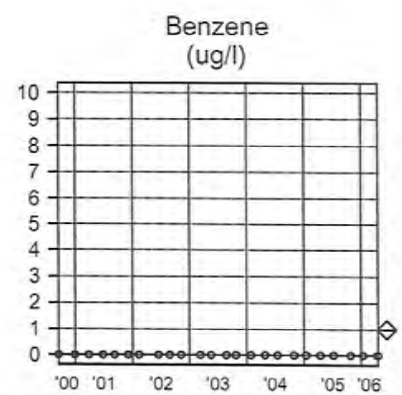


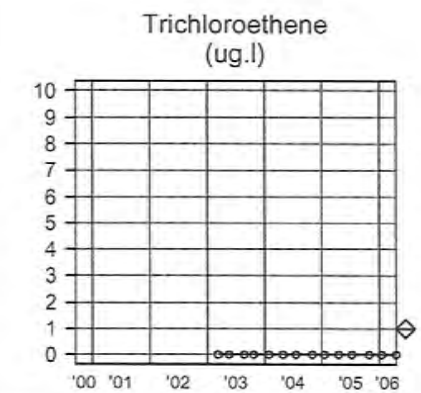


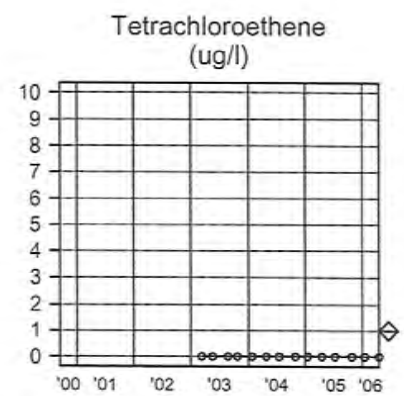


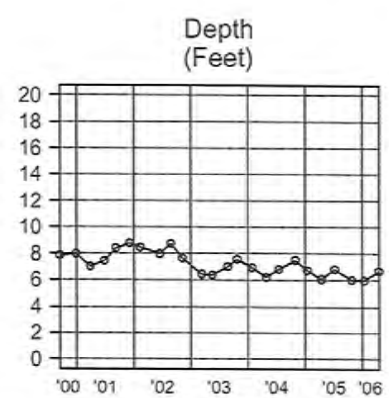












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	ND	ND			11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	8.27	ND	ND	ND	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	17.95	ND	ND	ND	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

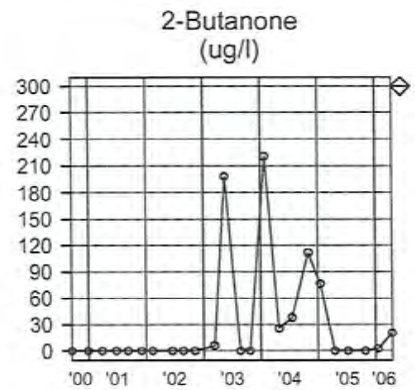
New Ground Water Quality Criteria as per 11/07/05

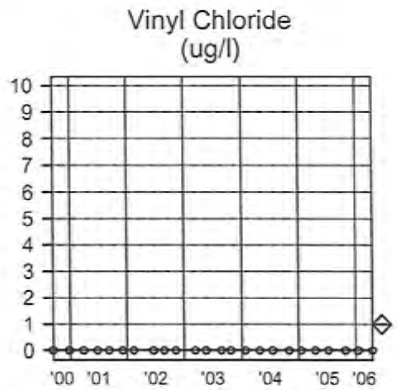
FORT MONMOUTH

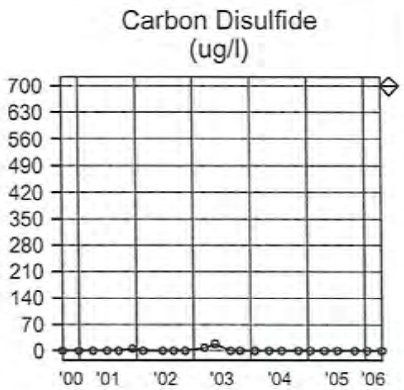
GW MONITORING
M-8 Bldg 697

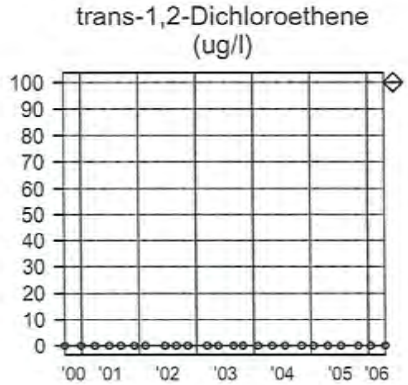
Source 7 of 14

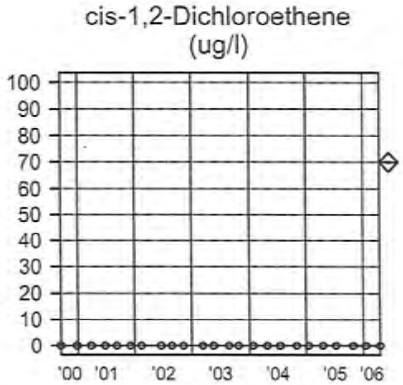
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

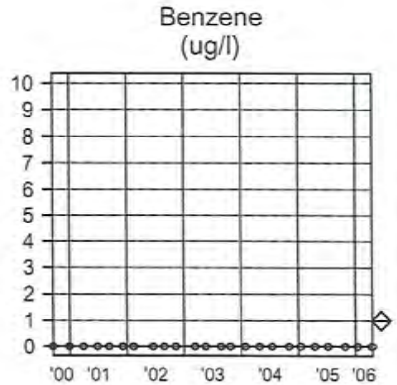


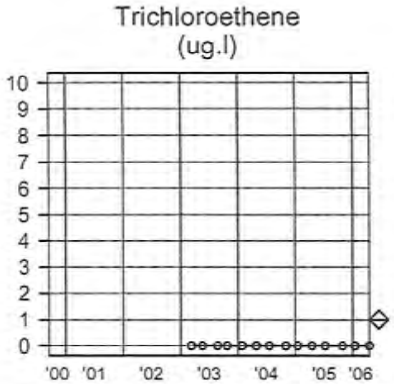


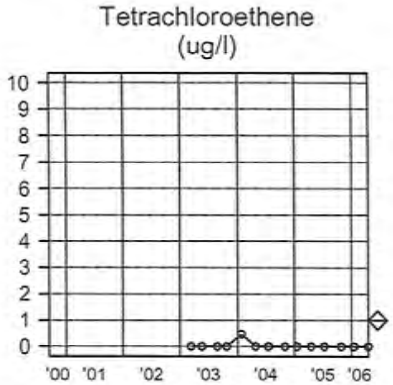


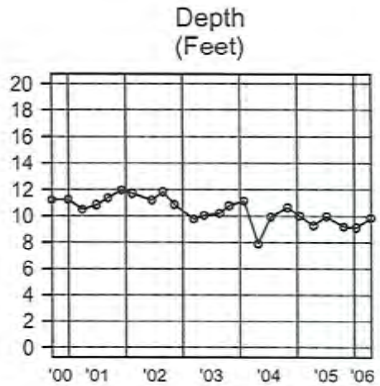












SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	3.06	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

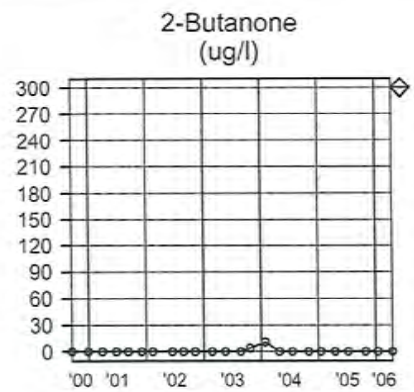
New Ground Water Quality Criteria as per 11/07/05

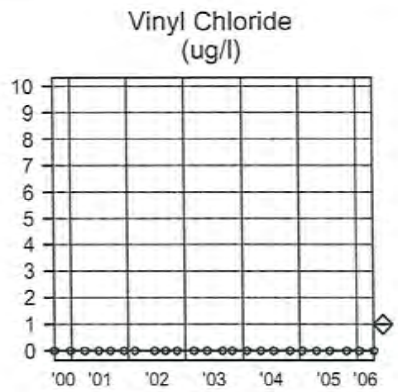
FORT MONMOUTH

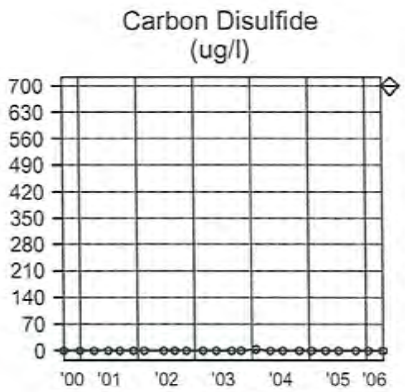
GW MONITORING
M-8 Bldg 697

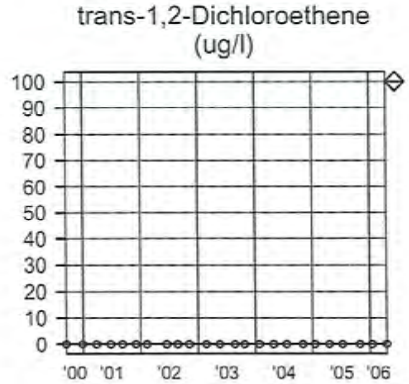
Source 8 of 14

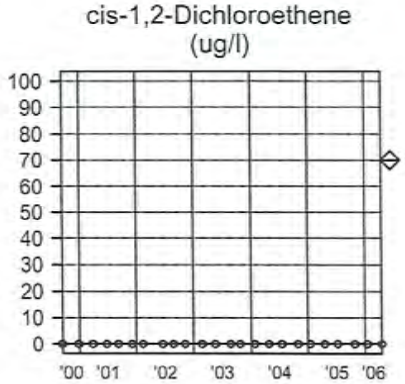
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

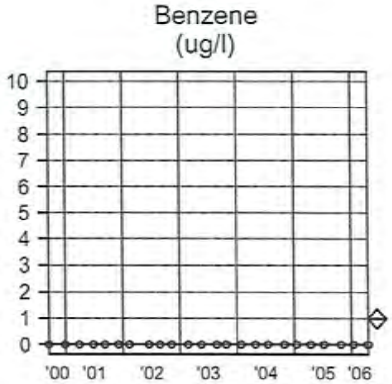


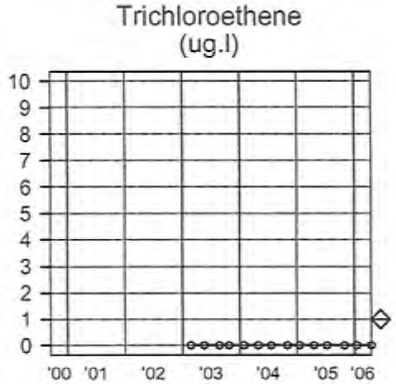


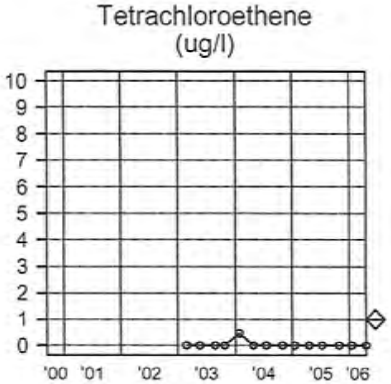


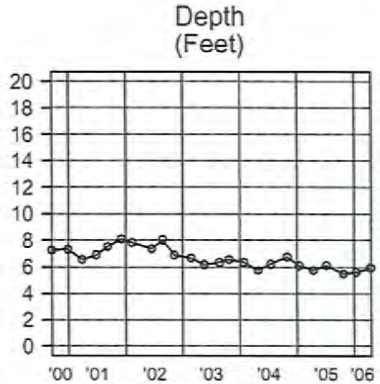












SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

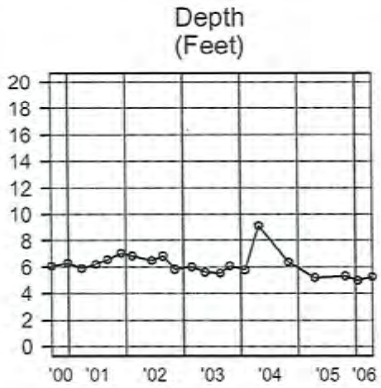
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

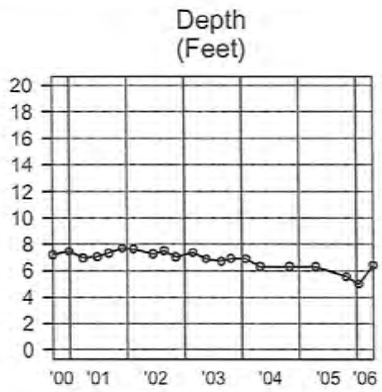
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

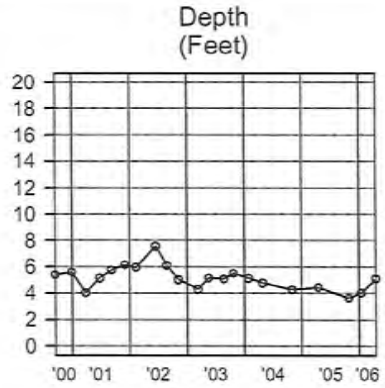
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

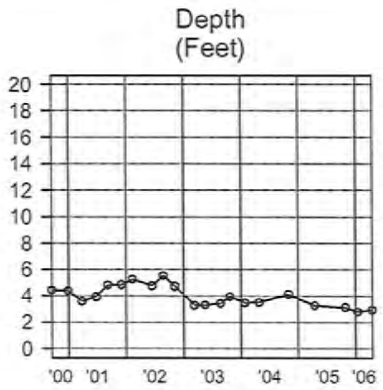
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

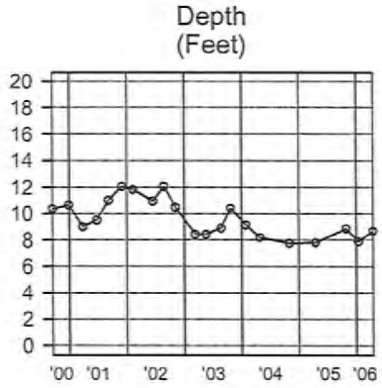
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND			8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/12/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

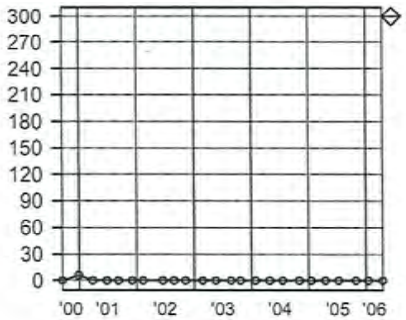
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

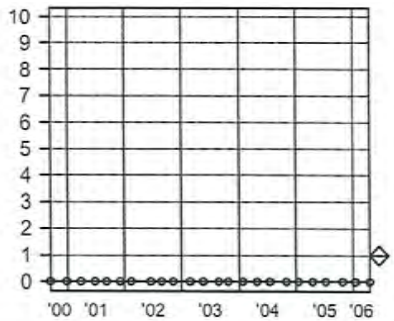
Source 6 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

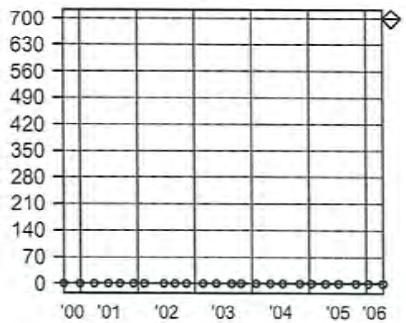
2-Butanone
(ug/l)



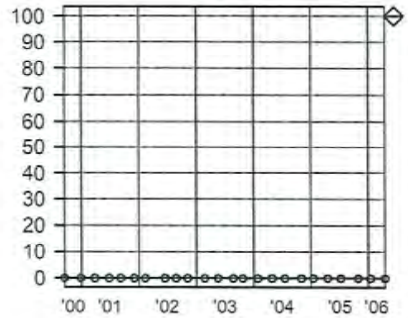
Vinyl Chloride
(ug/l)



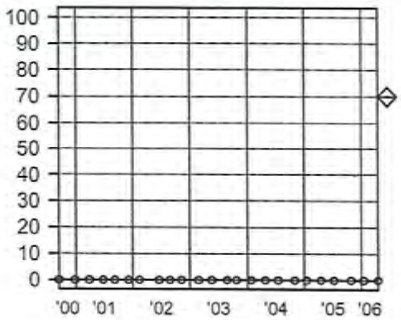
Carbon Disulfide
(ug/l)



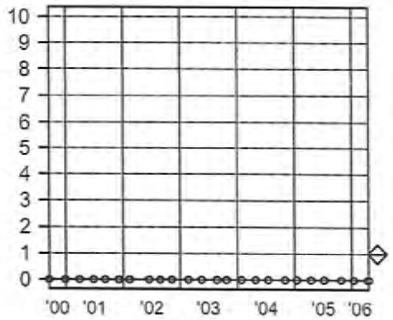
trans-1,2-Dichloroethene
(ug/l)



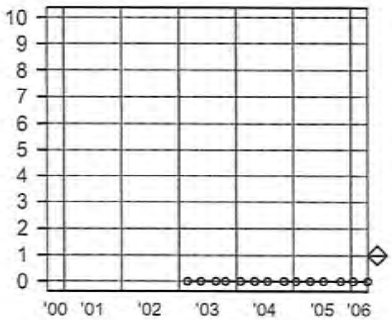
cis-1,2-Dichloroethene
(ug/l)



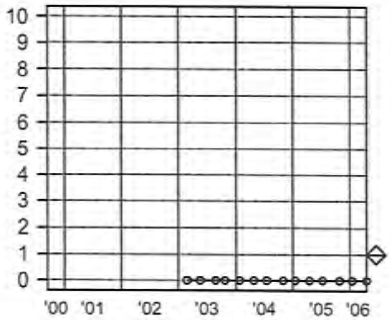
Benzene
(ug/l)



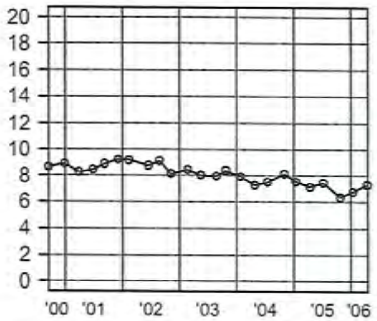
Trichloroethene
(ug.l)



Tetrachloroethene
(ug/l)



Depth
(Feet)



SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/12/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-19-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6031804	0812MW01	29-42572	07/14/06
6031805	0812MW02	29-42573	07/14/06
Not Sampled	0812MW03	29-42574	----------
6031806	0812MW04	29-42575	07/14/06
6031807	0812MW05	29-42576	07/14/06
6031808	0812MW06	29-42577	07/14/06
6031809	0812MW07	29-42578	07/14/06
6031810	0812MW08	29-42579	07/14/06
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
6031811	0812MW14	29-42888	07/14/06

NJDEP Laboratory Certification # 13461

9-11-06

Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

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: JOE FALLON
Phone: 732-532-6223
( )DERA ( )OMA ( )Other:

Project No:
Location: 3RD QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: /TVS WALTER FUNK

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA +15								Remarks / Preservation Method
60318 .01	812 TRIP BLANK	7-14-06	8:50	AQ	2	X								
.02	812 FIELD BLANK	7-14-06	11:10	AQ	2	X								
.03	812 DUP.	7-14-06	—	AQ	2	X								
.04	812 MW#01	7-14-06	15:20	AQ	2	X								29-42572
.05	812 MW#02	7-14-06	15:40	AQ	2	X								29-42573
.06	812 MW#04	7-14-06	14:00	AQ	2	X								29-42575
.07	812 MW#05	7-14-06	14:30	AQ	2	X								29-42576
.08	812 MW#06	7-14-06	11:50	AQ	2	X								29-42577
.09	812 MW#07	7-14-06	14:20	AQ	2	X								29-42578
.10	812 MW#08*	7-14-06	11:20	AQ	2	X								29-42579
.11	812 MW#14	7-14-06	14:40	AQ	2	X								29-42888

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	7/14/06 16:00	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, ( )Rush___Days, (_)ASAP Verbal ___Hrs.

Remarks:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.59 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.03 ft
(41.03) X .65 X 3 =80.00
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:30
pH 10.29 su — TEMP 16.84 °C
DISSOLVED O_2 1.90 mg/L — SPECIFIC CONDUCTIVITY 1894.0 µs/cm

PURGE END TIME: 15:17
pH 8.04 su — TEMP 16.85 °C
DISSOLVED O_2 1.82 mg/L — SPECIFIC CONDUCTIVITY 1732.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.96 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 15:20
pH 9.17 su — TEMP 16.17 °C
DISSOLVED O_2 0.89 mg/L — SPECIFIC CONDUCTIVITY 1652.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.91 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.00 ft
(42.00) X .65 X 3 = 81.9
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:41
pH 10.49 su
DISSOLVED O_2 2.78 mg/L
TEMP 21.06 °C
SPECIFIC CONDUCTIVITY 1826.0 µs/cm

PURGE END TIME: 15:38
pH 9.24 su
DISSOLVED O_2 3.66 mg/L
TEMP 17.37 °C
SPECIFIC CONDUCTIVITY 1839.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.49 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 15:40
pH 9.38 su
DISSOLVED O_2 1.64 mg/L
TEMP 17.19 °C
SPECIFIC CONDUCTIVITY 1823.0 µs/cm

SAMPLE END TIME: 15:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.58 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.33 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.29 ft
(3.29) X .65 X 3 = 6.41
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:22
pH 7.92 su — TEMP 23.70 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 2666.0 µs/cm

PURGE END TIME: 13:52
pH 8.42 su — TEMP 24.52 °C
DISSOLVED O_2 2.67 mg/L — SPECIFIC CONDUCTIVITY 2753.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.53 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 14:00
pH 8.48 su — TEMP 22.79 °C
DISSOLVED O_2 2.99 mg/L — SPECIFIC CONDUCTIVITY 2776.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.65 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.94 ft
(8.94) X .65 X 3 =17.43
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:00
pH 7.90 su
DISSOLVED O_2 0.84 mg/L
TEMP 18.28 °C
PECIFIC CONDUCTIVITY 1202.0 µs/cm

PURGE END TIME: 14:18
pH 7.89 su
DISSOLVED O_2 4.08 mg/L
TEMP 17.37 °C
SPECIFIC CONDUCTIVITY 1171.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.26 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:30
pH 7.16 su
DISSOLVED O_2 3.23 mg/L
TEMP 16.79 °C
SPECIFIC CONDUCTIVITY 1158.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.60 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.40 ft
(8.40) X .65 X 3 =16.38
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:29
pH 6.03 su
DISSOLVED O_2 3.54 mg/L
TEMP 18.83 °C
PECIFIC CONDUCTIVITY 5229.0 µs/cm

PURGE END TIME: 11:43
pH 5.93 su
DISSOLVED O_2 3.46 mg/L
TEMP 19.72 °C
SPECIFIC CONDUCTIVITY 5544.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:50
pH 5.82 su
DISSOLVED O_2 3.04 mg/L
TEMP 19.01 °C
SPECIFIC CONDUCTIVITY 5337.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.72 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.59 ft
(7.59) X .65 X 3 =14.80
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:07
pH 7.56 su — TEMP 19.48 °C
DISSOLVED O_2 1.37 mg/L — SPECIFIC CONDUCTIVITY 9811.0 µs/cm

PURGE END TIME: 14:12
pH 7.86 su — TEMP 19.41 °C
DISSOLVED O_2 1.60 mg/L — SPECIFIC CONDUCTIVITY 9238.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:20
pH 7.02 su — TEMP 18.07 °C
DISSOLVED O_2 0.45 mg/L — SPECIFIC CONDUCTIVITY 8606.0 µs/cm

SAMPLE END TIME: 14:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.02 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.24 ft
(9.24) X .65 X 3 =18.01
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:52
pH 5.96 su
TEMP 19.19 °C
DISSOLVED O_2 0.85 mg/L
SPECIFIC CONDUCTIVITY 8642.0 µs/cm

PURGE END TIME: 11:10
pH 5.92 su
TEMP 19.72 °C
DISSOLVED O_2 2.06 mg/L
SPECIFIC CONDUCTIVITY 6763.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.62 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:20
pH 5.66 su
TEMP 18.70 °C
DISSOLVED O_2 1.01 mg/L
SPECIFIC CONDUCTIVITY 6339.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.08 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/17/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.86 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.76 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.33 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.21 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/14/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.05 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.60 ft
(7.60) X .65 X 3 =14.82
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:15
pH 7.38 su
TEMP 21.48 °C
DISSOLVED O_2 4.25 mg/L
SPECIFIC CONDUCTIVITY 8414.0 µs/cm

PURGE END TIME: 14:20
pH 8.69 su
TEMP 19.62 °C
DISSOLVED O_2 4.06 mg/L
SPECIFIC CONDUCTIVITY 7568.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.59 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:40
pH 8.44 su
TEMP 19.36 °C
DISSOLVED O_2 2.87 mg/L
SPECIFIC CONDUCTIVITY 7278.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022831.D	Sample Name	MB 20July2006
Operator	Skelton	Field ID	MB 20July2006
Date Acquired	20 Jul 2006 2:49 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 20July2006**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 20July2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022831.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/20/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022846.D	Sample Name	6031801
Operator	Skelton	Field ID	Trip Blank
Date Acquired	21 Jul 2006 1:17 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031801

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022846.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022847.D	Sample Name	6031802
Operator	Skelton	Field ID	Field Blank
Date Acquired	21 Jul 2006 1:57 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031802

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022847.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022848.D	Sample Name	6031803
Operator	Skelton	Field ID	Dupe
Date Acquired	21 Jul 2006 2:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031803

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022848.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022849.D	Sample Name	6031804
Operator	Skelton	Field ID	812MW#01
Date Acquired	21 Jul 2006 3:18 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031804

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022849.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022850.D	Sample Name	6031805
Operator	Skelton	Field ID	812MW#02
Date Acquired	21 Jul 2006 3:58 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031805

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022850.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022851.D	Sample Name	6031806
Operator	Skelton	Field ID	812MW#04
Date Acquired	21 Jul 2006 4:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.46	141819	8.82 ug/L	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.86	18993	1.22 ug/L	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene	22.67	42327	0.69 ug/L	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.71	204185	3.25 ug/L	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.83	85046	1.83 ug/L	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031806

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022851.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000622-96-8	Benzene, 1-ethyl-4-methyl-	29.00	4	JN
2. 000526-73-8	Benzene, 1,2,3-trimethyl-	29.34	9	JN
3. 000496-11-7	Indane	30.49	3	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022852.D	Sample Name	6031807
Operator	Skelton	Field ID	812MW#05
Date Acquired	21 Jul 2006 5:19 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.98	94295	7.58 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride	11.67	19355	1.53 ug/L	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031807

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022852.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.39	8	J
2.	unknown	16.59	12	J

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022853.D	Sample Name	6031808
Operator	Skelton	Field ID	812MW#06
Date Acquired	21 Jul 2006 5:59 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031808

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022853.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022854.D	Sample Name	6031809
Operator	Skelton	Field ID	812MW#07
Date Acquired	21 Jul 2006 6:39 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride	11.67	14132	1.14 ug/L	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.52	104653	30.05 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene	22.67	48138	0.78 ug/L	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031809

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022854.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022855.D	Sample Name	6031810
Operator	Skelton	Field ID	812MW#08
Date Acquired	21 Jul 2006 7:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031810

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022855.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. _____ Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022856.D	Sample Name	6031811
Operator	Skelton	Field ID	812MW#14
Date Acquired	21 Jul 2006 8:01 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Interim Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60318 Location: 812 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6031811

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022856.D

Level: (low/med) LOW Date Received: 7/14/2006

% Moisture: not dec. Date Analyzed: 7/21/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND		8.97		V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND		8.97		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND		8.94		V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND		8.48		V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND		8.54		V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND		8.54		V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND		9.16		V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND		9.73		V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND		9.44		V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND		9.15		V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND		10.03		V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND		8.88		V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND		8.26		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.57		V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.80		V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.52		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	8.21		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.2		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.85		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	8.16		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.91		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.01		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.83		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	8.17		V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	7.06		V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	7.32		V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	7.59		V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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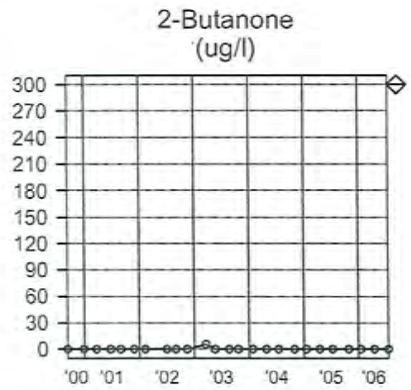

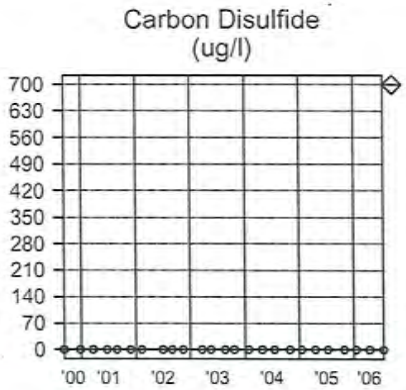

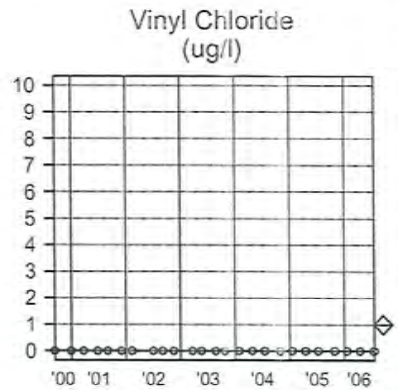

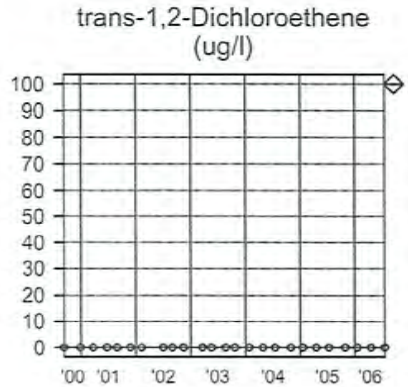

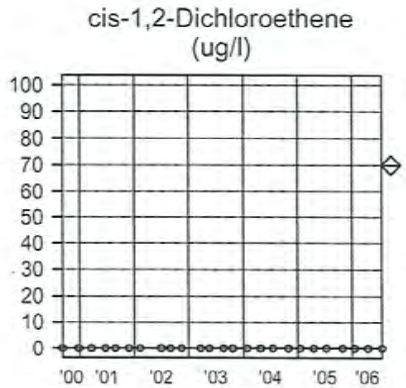

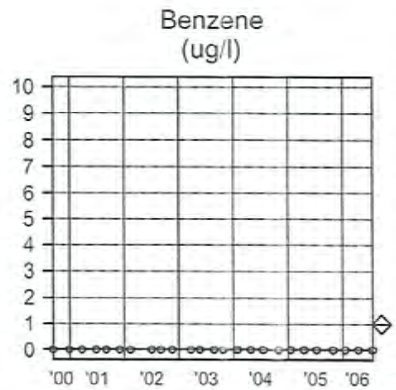

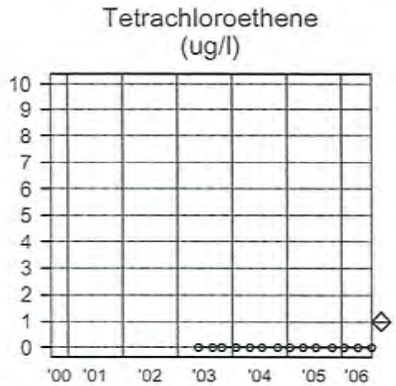

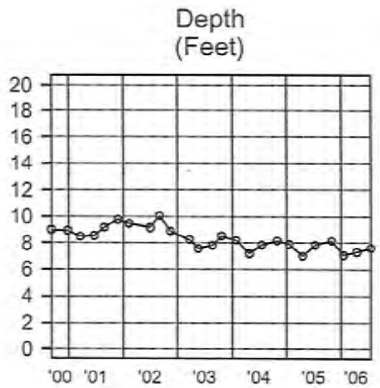

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/09/2000	FMETL	ND	4.27	ND	ND	ND	ND		6.67		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND		6.93		V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND		6.06		V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND		5.98		V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND		6.87		V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND		7.95		V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND		8.25		V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND		8.66		V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND		7.67		V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND		6.67		V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND		5.54		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.43		V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.03		V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.14		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	5.76		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	3.1		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.27		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.43		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.08		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.05		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.30		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.58		V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	4.98		V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	5.82		V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	5.91		V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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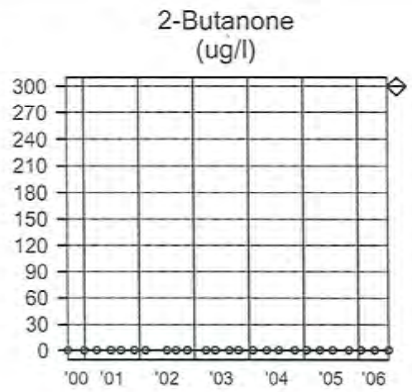

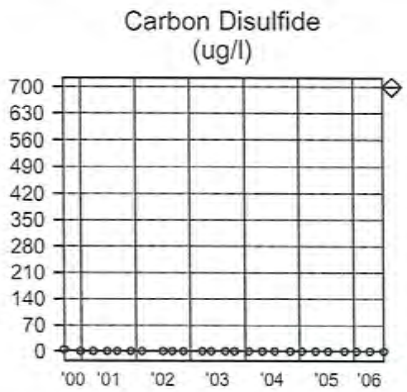

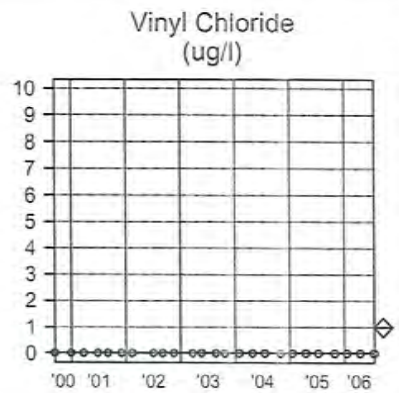

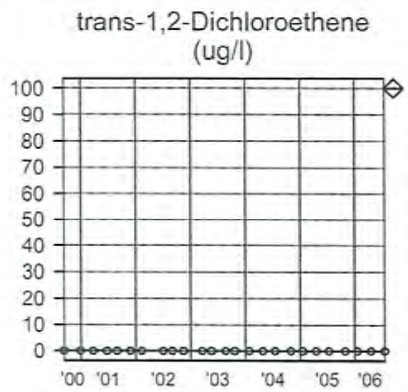

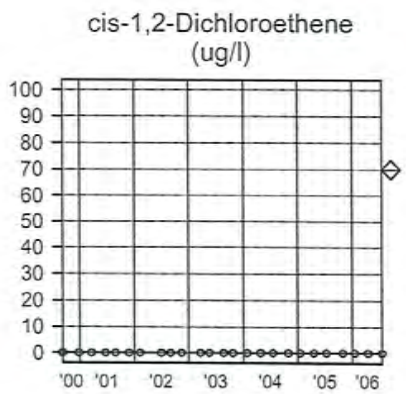

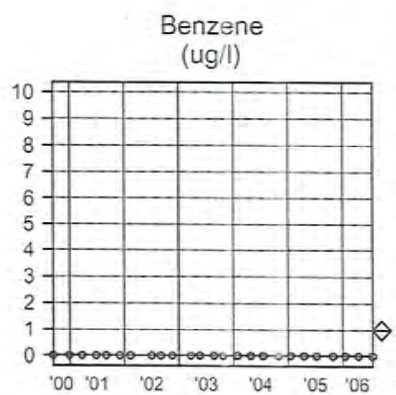

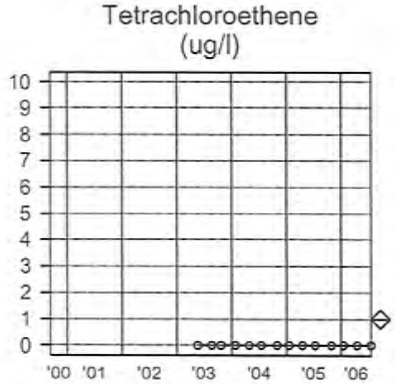

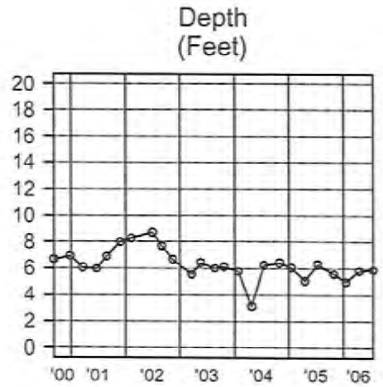

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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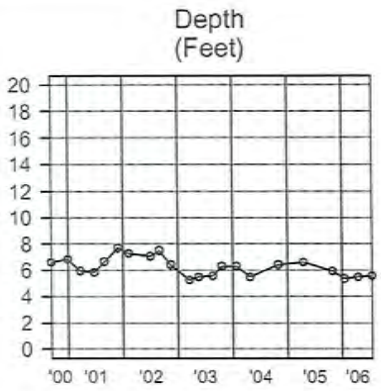

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 07/14/2006

LEGEND:

PARAMETER

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NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/14/2000	FMETL	ND	ND	4793.33	326.30	5669.25	6.58		4.76		V,S,P,M
12/27/2000	FMETL	ND	ND	3304.10	99.81	406.83	4.17		4.54		V,S,P,M
03/23/2001	FMETL	6.51	ND	355.91	22.64	316.55	ND		3.89		V,S,P,M
06/22/2001	FMETL	ND	ND	547.7	13.88	56.72	ND		5.45		V,S,P,M
09/07/2001	FMETL	ND	ND	3299.91	101.33	196.94	ND		4.97		V,S,P,M
12/03/2001	FMETL	ND	ND	2255.66	60.82	125.92	3.51		5.09		V,S,P,M
02/08/2002	FMETL	ND	12.65	4088.63	159.6	864.87	5.87		4.10		V,S,P,M
06/13/2002	FMETL	ND	26.65	4114.45	166.9	509.66	8.04		4.10		V,S,P,M
08/23/2002	FMETL	ND	10.71	4451.45	54.95	40.90	5.43		4.23		V,S,P,M
11/07/2002	FMETL	95.28	ND	61.91	1.21	7.76	ND		3.10		V,S,P,M
02/21/2003	FMETL	199.53	ND	523.59	13.59	178.9	1.41	2.33	4.81		V,S,P,M
05/15/2003	FMETL	96.84	ND	111.93	ND	6.84	ND	ND	4.57		V,S,P,M
08/21/2003	FMETL	915.3	5.09	136.6	6.38	37.35	ND	ND	4.05		V,S,P,M
10/22/2003	FMETL	220.34	ND	44.28	ND	4.58	0.58	ND	4.00		V,S,P,M
01/22/2004	FMETL	ND	ND	4.06	ND	ND	ND	ND	3.80		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	2.2		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	2.81		V
10/28/2004	FMETL	ND	ND	47.06	2.55	ND	3.28	ND	4.49		V
01/12/2005	FMETL	74.88	ND	30.64	1.54	1.19	0.46	ND	0.08		V
04/12/2005	FMETL	182.21	ND	31.84	1.03	ND	1.98	ND	1.62		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	2.92		V
10/26/2005	FMETL	ND	ND	42.61	1.54	0.51	1.77	ND	0.64		V
01/11/2006	FMETL	ND	ND	1.31	ND	ND	ND	ND	2.42		V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	ND	3.75		V
07/14/2006	FMETL	ND	ND	8.82	ND	1.22	ND	ND	3.33		V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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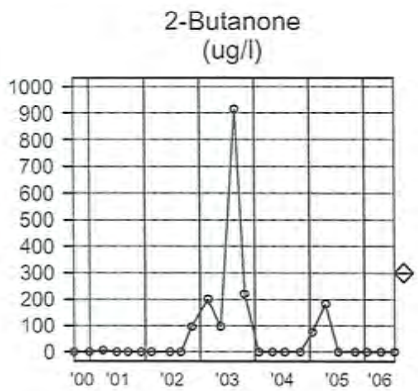

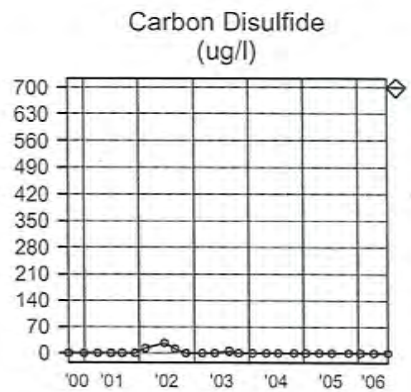

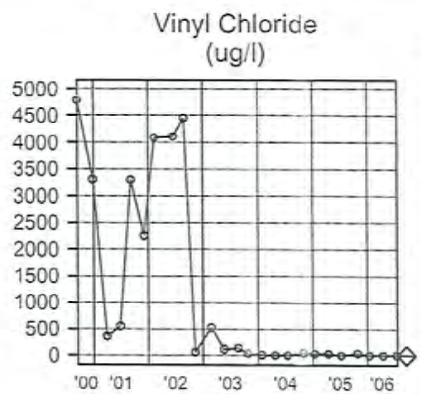

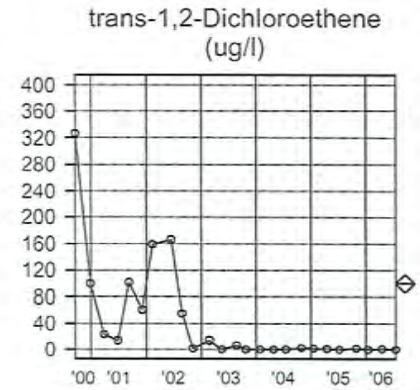

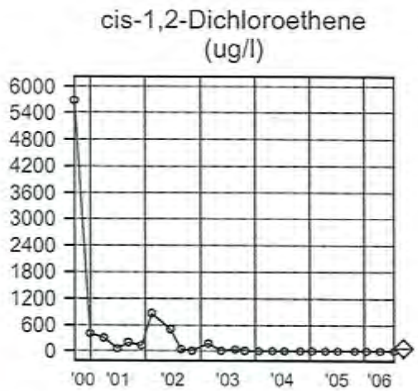

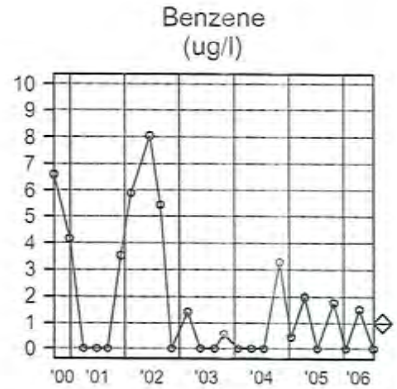

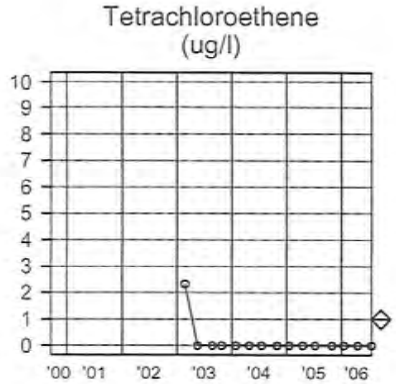

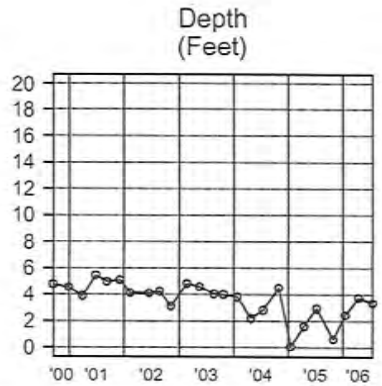

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

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NJDEP Criteria

FORT MONMOUTH

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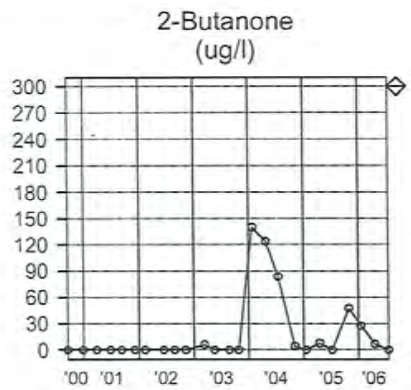

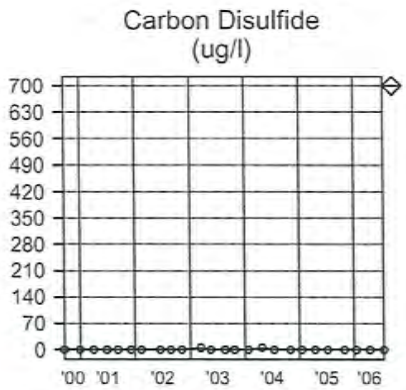

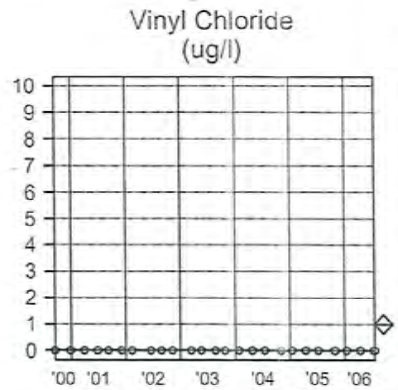

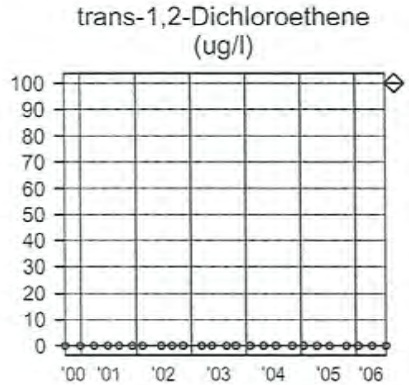

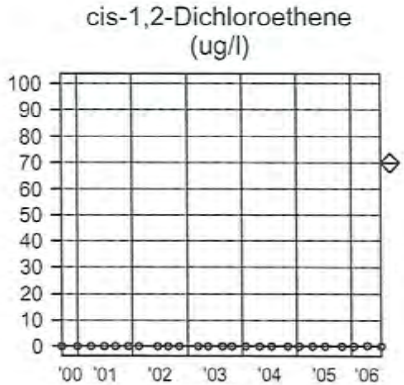

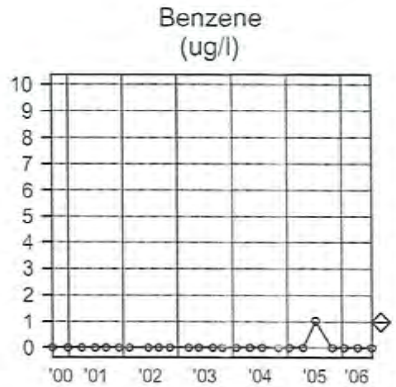

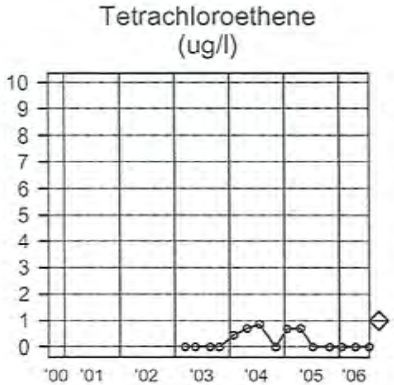

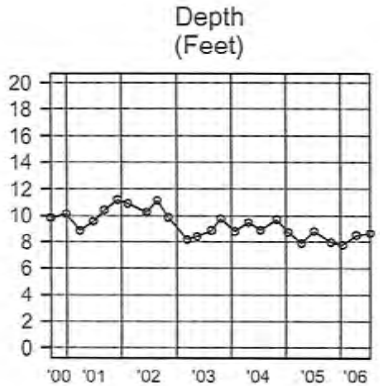

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND		9.83		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND		10.12		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND		8.83		V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND		8.83		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND		9.54		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND		10.38		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND		11.16		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND		10.87		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND		10.25		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND		11.13		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND		9.85		V,S,P,M
03/07/2003	FMETL	5.90	4.93	ND	ND	ND	ND	ND	8.17		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.40		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.85		V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	9.75		V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	0.44	8.78		V
04/22/2004	FMETL	123.5	5.69	ND	ND	ND	ND	0.7	9.48		V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	0.86	8.89		V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	9.70		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	0.68	8.72		V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	0.70	7.89		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	ND	8.81		V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	7.95		V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	7.76		V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	8.51		V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	8.65		V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ıg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND		7.83		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND		7.98		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND		6.99		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND		7.45		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND		8.37		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND		8.75		V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND		8.75		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND		8.46		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND		7.98		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND		8.72		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND		7.65		V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.44		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.38		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.99		V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.56		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.94		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.22		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.82		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.49		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.73		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.07		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.80		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.03		V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	5.97		V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	6.68		V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	6.60		V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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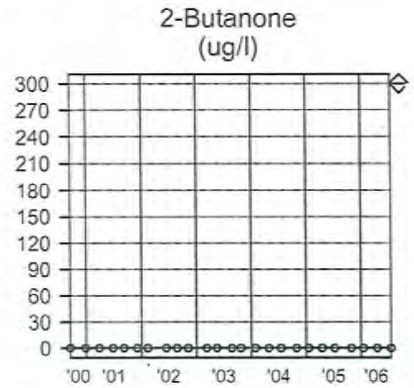
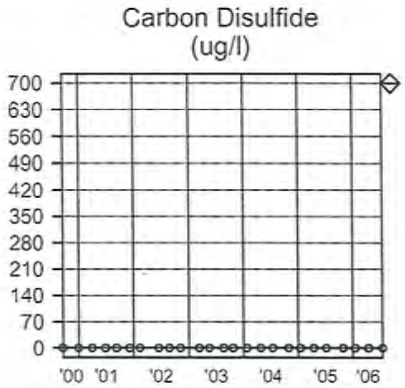
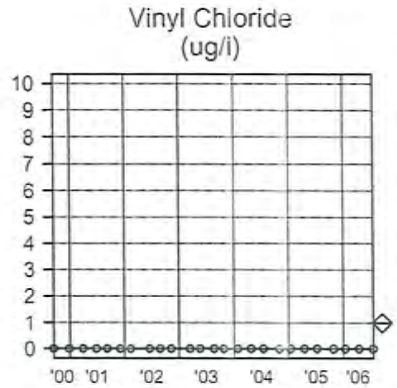
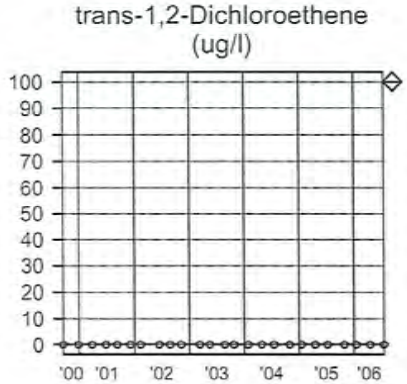
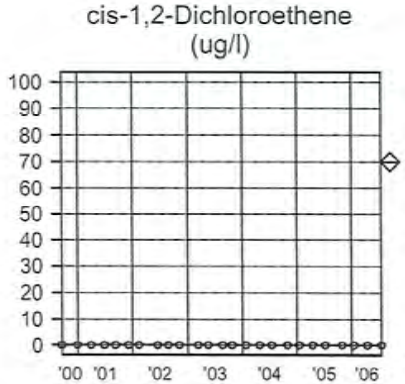
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

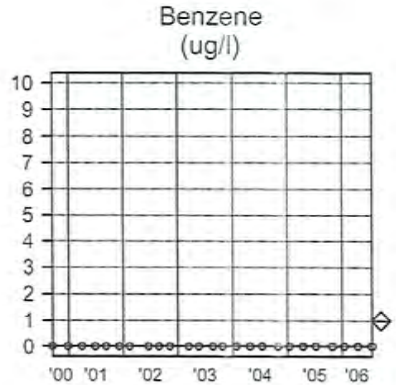


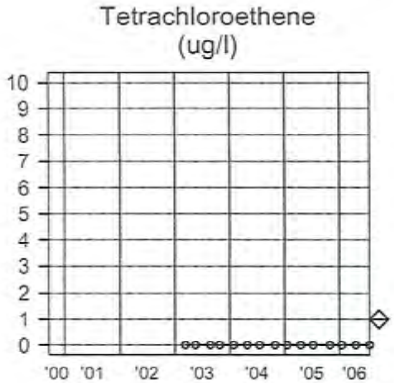


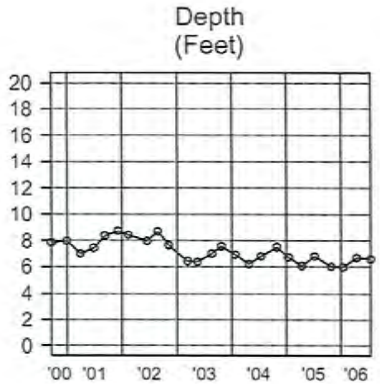












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND		11.19		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND		11.22		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND		10.47		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND		10.80		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND		11.33		V,S,P,M
12/03/2001	FMETL	ND	5.85	ND	ND	ND	ND		11.96		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND		11.70		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND		11.17		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND		11.80		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND		10.83		V,S,P,M
03/07/2003	FMETL	6.21	8.27	ND	ND	ND	ND	ND	9.76		V,S,P,M
05/15/2003	FMETL	198.04	17.95	ND	ND	ND	ND	ND	10.02		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	10.18		V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	10.75		V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	0.46	11.11		V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	7.88		V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	9.90		V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	10.63		V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	10.00		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	9.27		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	9.96		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	9.17		V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	9.10		V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	9.83		V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	9.72		V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

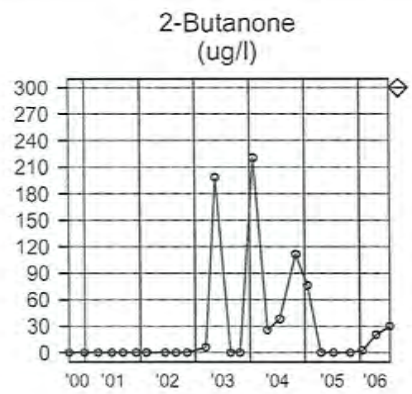
New Ground Water Quality Criteria as per 11/07/05

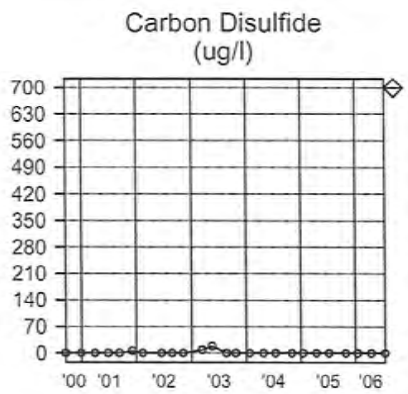
FORT MONMOUTH

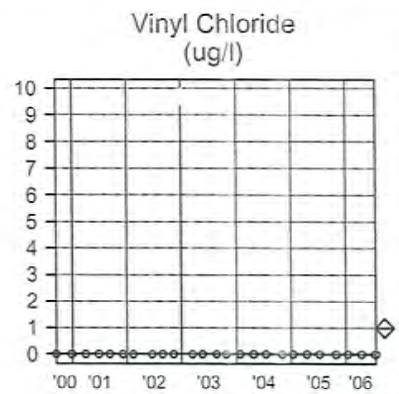
GW MONITORING
M-8 Bldg 697

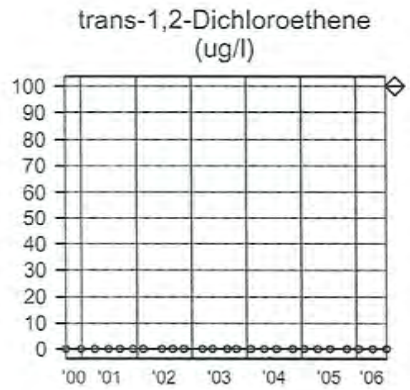
Source 7 of 14

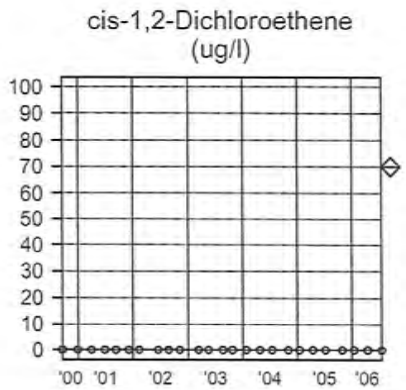
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

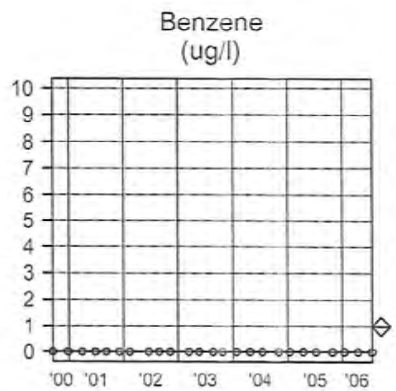


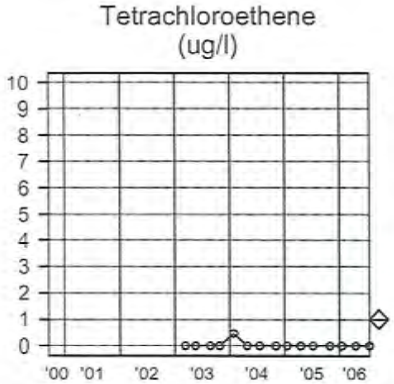


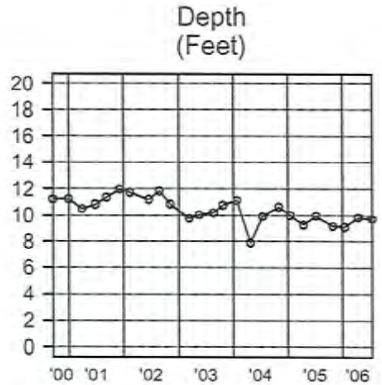












SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

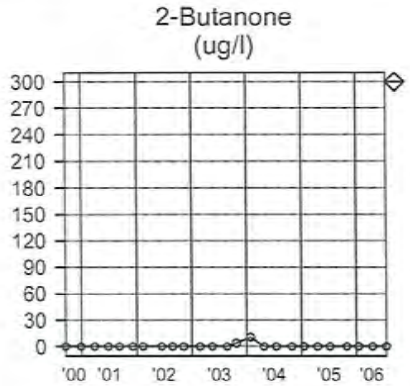
FORT MONMOUTH

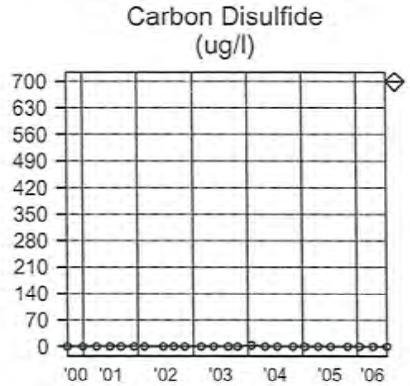
GW MONITORING
M-8 Bldg 697

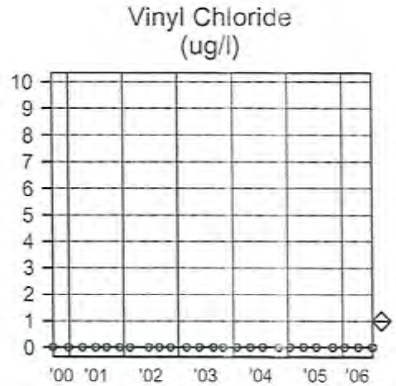
Source 7 of 14, Graph

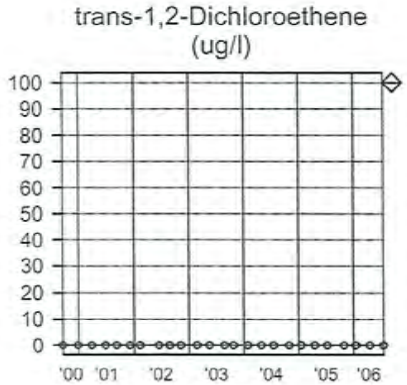
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

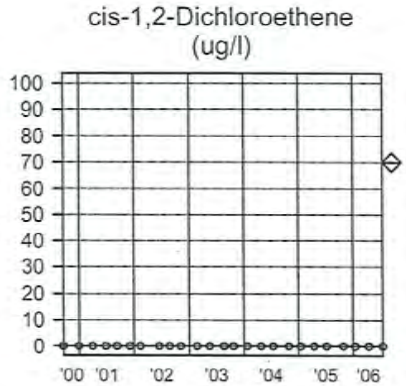
09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

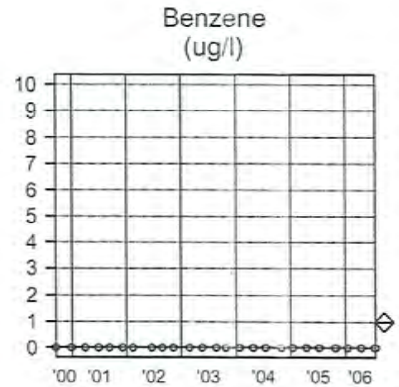


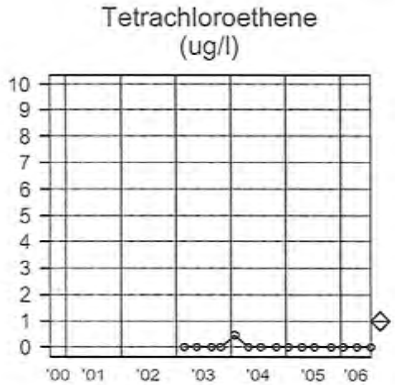


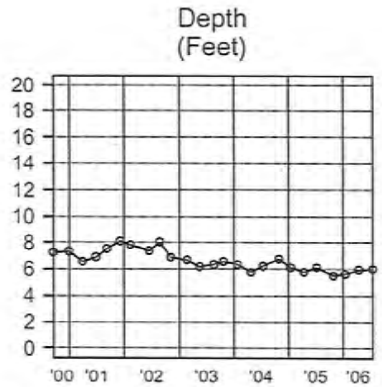












SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND		7.23		V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND		7.32		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND		6.56		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND		6.90		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND		7.52		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND		8.07		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND		7.82		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND		7.36		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND		8.03		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND		6.87		V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.68		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.20		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	6.35		V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	6.58		V,S,P,M
01/22/2004	FMETL	10.62	3.06	ND	ND	ND	ND	0.46	6.35		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	5.75		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.24		V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	6.77		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.11		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.78		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.14		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	5.51		V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	5.62		V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	5.96		V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	6.02		V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

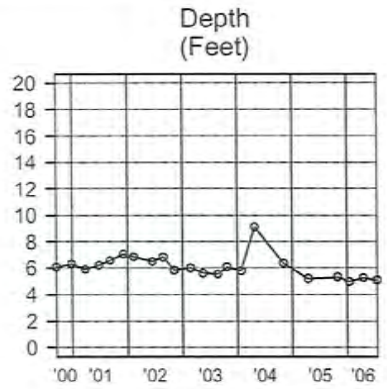
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

09-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

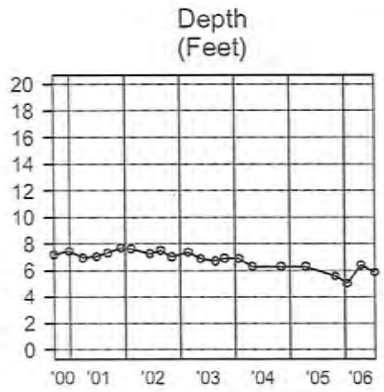
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Unit ::	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

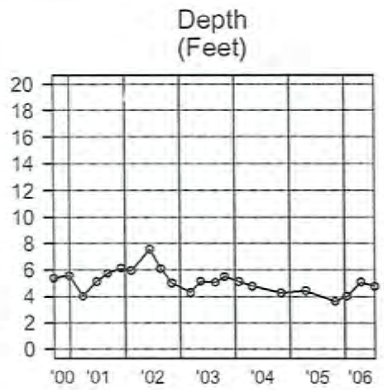
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

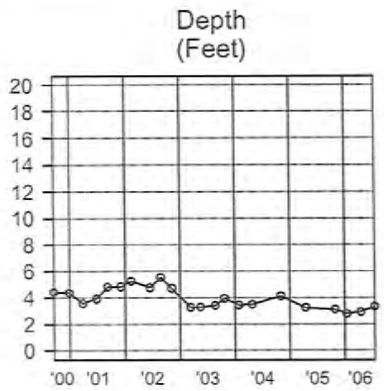
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

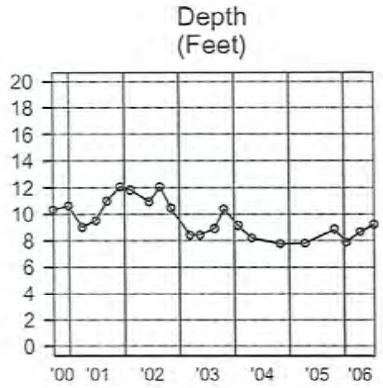
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Carbon Di sulfide	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Tetra chloro ethene	Depth		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	300	700	1	100	70	1	1	-		-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND		8.65		V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND		8.65		V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND		8.87		V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND		8.27		V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND		8.46		V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND		8.46		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND		8.85		V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND		8.85		V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND		9.18		V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND		9.15		V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND		8.74		V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND		9.09		V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND		8.14		V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.45		V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.03		V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	7.98		V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.38		V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.92		V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.26		V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	7.51		V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	8.15		V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.53		V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.12		V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	7.45		V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	6.36		V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	6.76		V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	7.30		V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	7.05		V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/14/2006

NOTES:

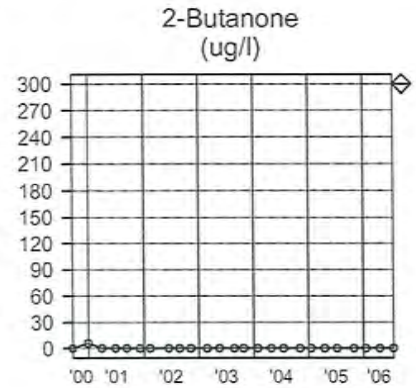
New Ground Water Quality Criteria as per 11/07/05

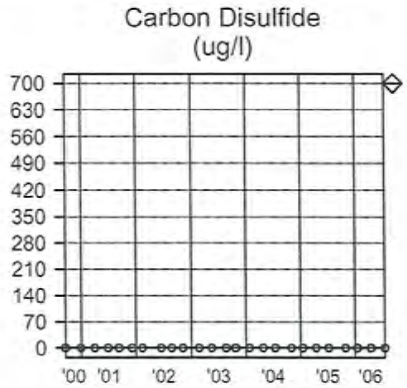
FORT MONMOUTH

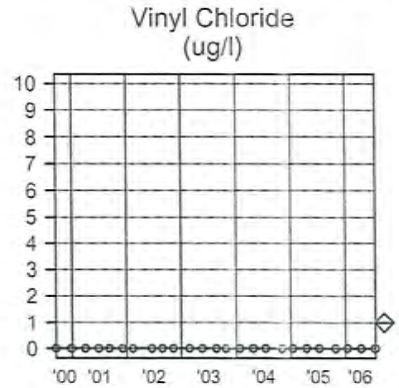
GW MONITORING
M-8 Bldg 697

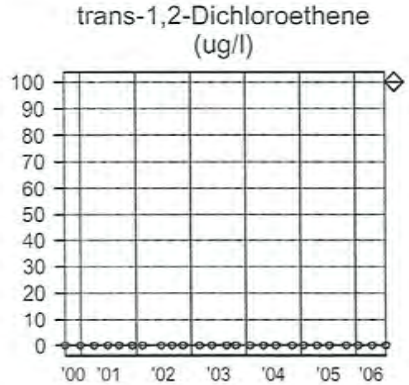
Source 6 of 14

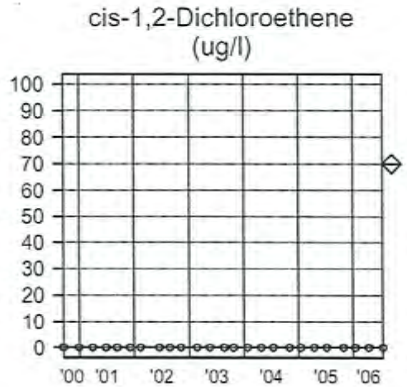
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

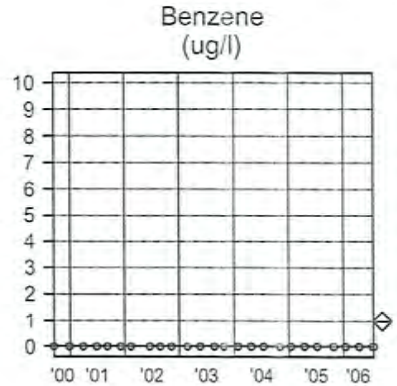


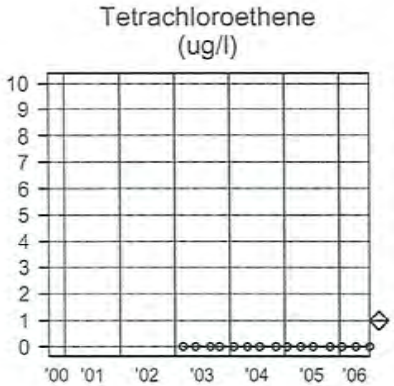


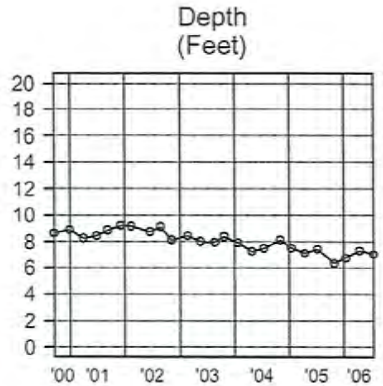












SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/14/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6046504	0812MW01	29-42572	10/25/06
6046505	0812MW02	29-42573	10/25/06
Not Sampled	0812MW03	29-42574	----------
6046506	0812MW04	29-42575	10/25/06
6046704	0812MW05	29-42576	10/26/06
6046507	0812MW06	29-42577	10/25/06
6046705	0812MW07	29-42578	10/26/06
6046508	0812MW08	29-42579	10/25/06
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
6046706	0812MW14	29-42888	10/26/06

NJDEP Laboratory Certification # 13461

11-13-06

Daniel Wright/Date:
Laboratory Director

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METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th Edition
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
Purgeable Organics by GC/MS	624
Base/Neutral and Acid Extractables by GC/MS	625
Pesticide and PCB 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: JOE FALLON
Phone 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 4TH QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15								Remarks / Preservation Method
W0415 101	812 TRIP BLANK	10-25-06	8:00	AQ	2	X								
102	812 FIELD BLANK	10-25-06	11:30	AQ	2	X								
103	812 DUP.	10-25-06	—	AQ	2	X								
104	812 MW#01	10-25-06	15:10	AQ	2	X								29-42572
105	812 MW#02	10-25-06	15:30	AQ	2	X								29-42573
106	812 MW#04	10-25-06	14:00	AQ	2	X								29-42575
107	812 MW#06	10-25-06	11:40	AQ	2	X								29-42577
108	812 MW#08	10-25-06	11:50	AQ	2	X								29-42579

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	10/26/06 8:00	J. Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush _ Days, ( )ASAP Verbal ____Hrs.

Remarks:

print legibly

COC._19/26/2006

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Customer: JOE FALLON
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( )DERA ( )OMA ( )Other:_____

Project No:
Location: 4TH QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA 415								Comments: Remarks / Preservation Method
W4607.01	812 TRIP BLANK	10-26-06	8:00	AQ	2	X								
.02	812 FIELD BLANK	10-26-06	10:00	AQ	2	X								
.03	812 DUP	10-26-06	—	AQ	2	X								
.04	812 MW #05	10-26-06	11:20	AQ	2	X								29-42576
.05	812 MW #07*	10-26-06	11:10	AQ	2	X								29-42578
.06	812 MW #14	10-26-06	11:30	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	10/26/06 14:00	[signature]			
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: (_)Standard 3 wks, (X)Rush _ Days, (_)ASAP Verbal ____Hrs.

Remarks:

000003

print legibly

COC._19/26/2006

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/25/06
WEATHER: Sunny and 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: 7.80 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.82 ft
(40.82) X .65 X 3 =79.59
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:11
pH 7.25 su
DISSOLVED O_2 5.47 mg/L
TEMP 18.74 °C
SPECIFIC CONDUCTIVITY 1750.0 µs/cm

PURGE END TIME: 14:59
pH 7.58 su
DISSOLVED O_2 4.88 mg/L
TEMP 15.61 °C
SPECIFIC CONDUCTIVITY 1650.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.08 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 15:10
pH 7.48 su
DISSOLVED O_2 5.01 mg/L
TEMP 15.88 °C
SPECIFIC CONDUCTIVITY 1638.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/25/06
WEATHER: Sunny and 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: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.82 ft
(41.82) X .65 X 3 = 81.54
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20
pH 7.43 su
DISSOLVED O_2 3.47 mg/L
TEMP 19.53 °C
SPECIFIC CONDUCTIVITY 1562.0 µs/cm

PURGE END TIME: 15:17
pH 7.52 su
DISSOLVED O_2 2.46 mg/L
TEMP 17.18 °C
SPECIFIC CONDUCTIVITY 1723.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 15:30
pH 7.53 su
DISSOLVED O_2 4.63 mg/L
TEMP 17.28 °C
SPECIFIC CONDUCTIVITY 1725.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/25/06
WEATHER: Sunny and 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: 3.02 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.60 ft
(3.60) X .65 X 3 = 7.02
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:22
pH 6.64 su
DISSOLVED O_2 1.03 mg/L
TEMP 18.07 °C
SPECIFIC CONDUCTIVITY 1791.0 µs/cm

PURGE END TIME: 13:52
pH 6.67 su
DISSOLVED O_2 1.63 mg/L
TEMP 18.25 °C
SPECIFIC CONDUCTIVITY 1901.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 14:00
pH 6.63 su
DISSOLVED O_2 1.48 mg/L
TEMP 18.32 °C
SPECIFIC CONDUCTIVITY 1879.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/06
WEATHER: Cloudy and 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: 8.81 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.78 ft
(8.78) X .65 X 3 =17.12
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:52
pH 4.81 su
DISSOLVED O_2 1.56 mg/L
TEMP 19.09 °C
PECIFIC CONDUCTIVITY 1102.0 µs/cm

PURGE END TIME: 11:10
pH 5.21 su
DISSOLVED O_2 3.95 mg/L
TEMP 18.77 °C
SPECIFIC CONDUCTIVITY 1107.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.36 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:20
pH 5.17 su
DISSOLVED O_2 3.57 mg/L
TEMP 18.84 °C
SPECIFIC CONDUCTIVITY 1117.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/25/06
WEATHER: Sunny and 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: 6.58 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.42 ft
(8.42) X .65 X 3 =16.41
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:20
pH 4.14 su
DISSOLVED O_2 4.89 mg/L
TEMP 20.11 °C
PECIFIC CONDUCTIVITY 5671.0 µs/cm

PURGE END TIME: 11:34
pH 4.21 su
DISSOLVED O_2 5.24 mg/L
TEMP 20.25 °C
SPECIFIC CONDUCTIVITY 5232.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:40
pH 4.14 su
DISSOLVED O_2 4.46 mg/L
TEMP 20.28 °C
SPECIFIC CONDUCTIVITY 5232.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/06
WEATHER: Cloudy and 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: 9.76 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.55 ft
(7.55) X .65 X 3 =14.72
GALLONS OF H_2O TO BE PURGED: 15 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: 10:02
pH 6.10 su
DISSOLVED O_2 2.08 mg/L
TEMP 19.11 °C
SPECIFIC CONDUCTIVITY 1173.0 µs/cm

PURGE END TIME: 11:07
pH 6.07 su
DISSOLVED O_2 5.51 mg/L
TEMP 18.59 °C
SPECIFIC CONDUCTIVITY 1108.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:10
pH 5.85 su
DISSOLVED O_2 1.68 mg/L
TEMP 18.96 °C
SPECIFIC CONDUCTIVITY 1139.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS: DUP here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/25/06
WEATHER: Sunny and 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: 5.59 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.67 ft
(9.67) X .65 X 3 =18.85
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:13
pH 4.11 su
DISSOLVED O_2 1.09 mg/L
TEMP 20.93 °C
SPECIFIC CONDUCTIVITY 9276.0 µs/cm

PURGE END TIME: 11:40
pH 3.98 su
DISSOLVED O_2 3.27 mg/L
TEMP 20.37 °C
SPECIFIC CONDUCTIVITY 6245.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.49 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:50
pH 3.97 su
DISSOLVED O_2 1.36 mg/L
TEMP 20.39 °C
SPECIFIC CONDUCTIVITY 3662.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/26/06
WEATHER: Cloudy and 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: 6.96 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.69 ft
(7.69) X .65 X 3 =14.99
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:10
pH 6.04 su
DISSOLVED O_2 1.75 mg/L
TEMP 20.01 °C
SPECIFIC CONDUCTIVITY 6304.0 µs/cm

PURGE END TIME: 11:15
pH 5.95 su
DISSOLVED O_2 3.88 mg/L
TEMP 19.93 °C
SPECIFIC CONDUCTIVITY 6448.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.31 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:30
pH 5.97 su
DISSOLVED O_2 1.65 mg/L
TEMP 20.09 °C
SPECIFIC CONDUCTIVITY 6282.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023545.D	Sample Name	MB 31Oct2006
Operator	VBP	Field ID	
Date Acquired	31 Oct 2006 8:52 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.91	16621	0.58 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.I.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 31Oct2006**

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: MB 31Oct2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023545.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023558.D	Sample Name	6046501
Operator	VBP	Field ID	812 TB
Date Acquired	31 Oct 2006 6:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 TB

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046501

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023558.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023564.D	Sample Name	6046701
Operator	VBP	Field ID	812 TB
Date Acquired	31 Oct 2006 10:43 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 TB

Lab Name: FMETL NJDEP#: 13461

Project: 60467 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023564.D

Level: (low/med) LOW Date Received: 10/26/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023559.D	Sample Name	6046502
Operator	VBP	Field ID	812 FB
Date Acquired	31 Oct 2006 7:07 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 FB

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046502

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023559.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023565.D	Sample Name	6046702
Operator	VBP	Field ID	812 FB
Date Acquired	31 Oct 2006 11:27 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 FB**

Lab Name: FMETL NJDEP#: 13461

Project: 60467 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023565.D

Level: (low/med) LOW Date Received: 10/26/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023557.D	Sample Name	6046503
Operator	VBP	Field ID	812 DUP
Date Acquired	31 Oct 2006 5:41 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW# DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046503

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023557.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023566.D	Sample Name	6046703
Operator	VBP	Field ID	812 DUP
Date Acquired	1 Nov 2006 12:11 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.88	81719	1.52 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.86	55244	2.58 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.53	38265	2.33 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene	22.40	1595515	5.72 ug/L	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 60467 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023566.D

Level: (low/med) LOW Date Received: 10/26/2006

% Moisture: not dec. Date Analyzed: 11/1/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023554.D	Sample Name	6046504
Operator	VBP	Field ID	812 MW#01
Date Acquired	31 Oct 2006 3:28 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.91	19304	0.54 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#01

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046504

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023554.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023560.D	Sample Name	6046505
Operator	VBP	Field ID	812 MW#02
Date Acquired	31 Oct 2006 7:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#02

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046505

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023560.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023561.D	Sample Name	6046506
Operator	VBP	Field ID	812 MW#04
Date Acquired	31 Oct 2006 8:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.36	1872509	17.17 ug/L	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.88	22625	0.87 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.12	75387	0.75 ug/L	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.80	41324	0.39 ug/L	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene	18.07	272360	0.92 ug/L	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene	22.40	2261155	6.76 ug/L	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.23	5998799	17.80 ug/L	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	25.48	822563	6.76 ug/L	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene	26.25	3298375	13.07 ug/L	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#04

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046506

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023561.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 9

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000115-11-7	1-Propene, 2-methyl-	5.20	6	JN
2. 000098-82-8	Benzene, (1-methylethyl)-	26.79	4	JN
3. 000103-65-1	Benzene, propyl-	27.52	8	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.23	17	JN
5. 000108-67-8	Benzene, 1,3,5-trimethyl-	28.53	54	JN
6. 000526-73-8	Benzene, 1,2,3-trimethyl-	29.31	12	JN
7. 000496-11-7	Indane	29.57	15	JN
8. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	30.29	3	JN
9. 027133-93-3	2,3-Dihydro-1-methylindene	30.54	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023567.D	Sample Name	6046704
Operator	VBP	Field ID	812 MW#05
Date Acquired	1 Nov 2006 12:54 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.86	207299	3.94 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.88	20160	0.96 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane	14.20	284672	2.61 ug/L	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#05

Lab Name: FMETL NJDEP#: 13461

Project: 60467 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023567.D

Level: (low/med) LOW Date Received: 10/26/2006

% Moisture: not dec. Date Analyzed: 11/1/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023562.D	Sample Name	6046507
Operator	VBP	Field ID	812 MW#06
Date Acquired	31 Oct 2006 9:17 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046507

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023562.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. _____ Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023568.D	Sample Name	6046705
Operator	VBP	Field ID	812 MW#07
Date Acquired	1 Nov 2006 1:36 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.87	81598	1.59 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.86	59419	2.90 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone	17.53	43334	2.76 ug/L	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene	22.40	1682886	6.40 ug/L	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#07

Lab Name: FMETL NJDEP#: 13461

Project: 60467 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023568.D

Level: (low/med) LOW Date Received: 10/26/2006

% Moisture: not dec. Date Analyzed: 11/1/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023563.D	Sample Name	6046508
Operator	VBP	Field ID	812 MW#08
Date Acquired	31 Oct 2006 10:00 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#08

Lab Name: FMETL NJDEP#: 13461

Project: 60465 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046508

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023563.D

Level: (low/med) LOW Date Received: 10/25/2006

% Moisture: not dec. Date Analyzed: 10/31/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB023569.D	Sample Name	6046706
Operator	VBP	Field ID	812 MW#14
Date Acquired	1 Nov 2006 2:19 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 812 MW#14

Lab Name: FMETL NJDEP#: 13461

Project: 60467 Case No.: 812 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6046706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023569.D

Level: (low/med) LOW Date Received: 10/26/2006

% Moisture: not dec. Date Analyzed: 11/1/2006

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND	ND		8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

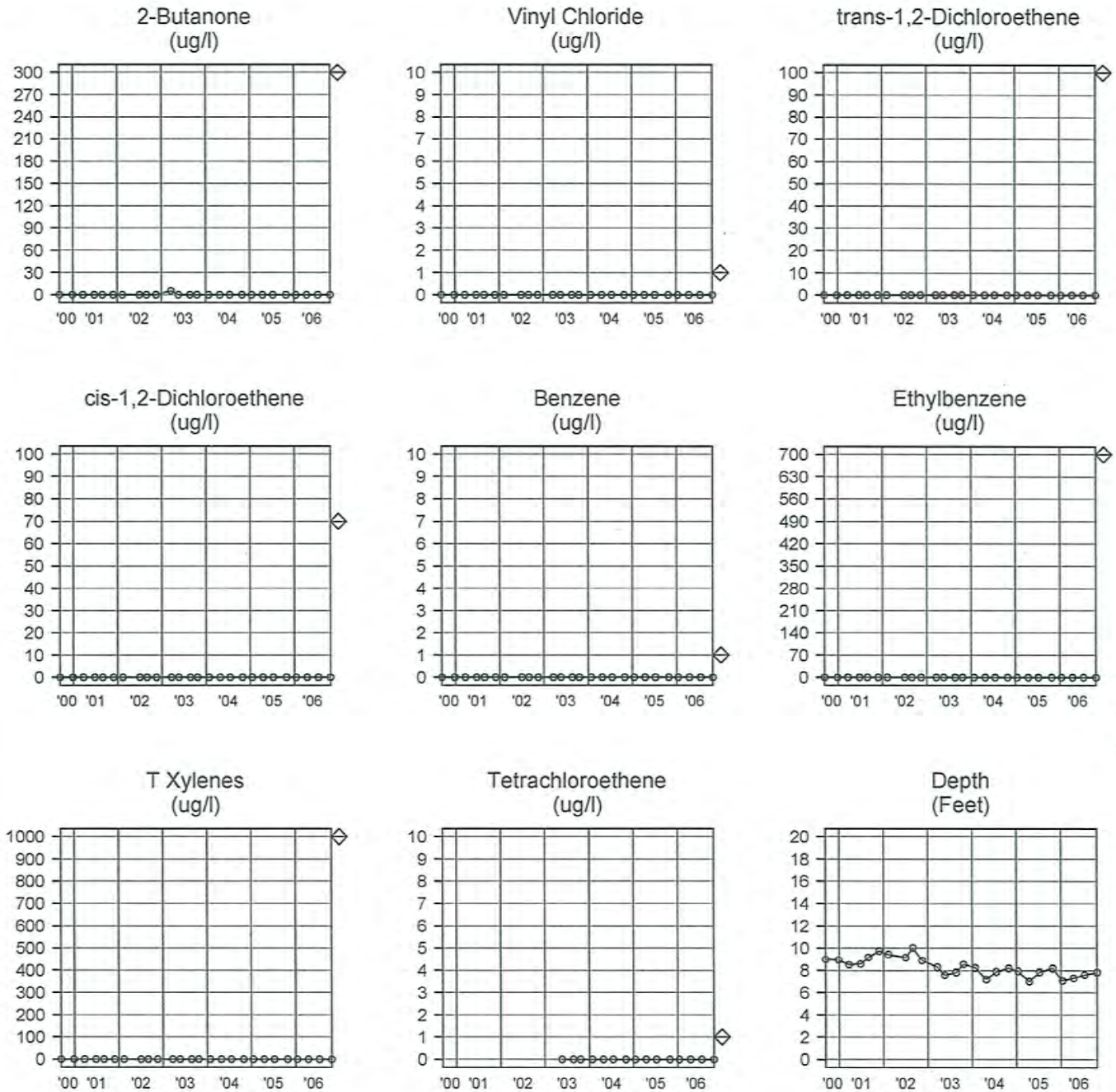
GW MONITORING
M-8 Bldg 697

Source 12 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000045



SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000046

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND	ND		5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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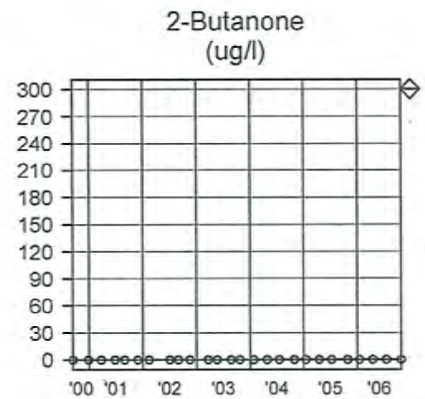

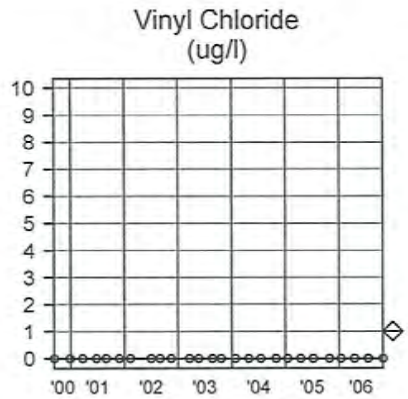

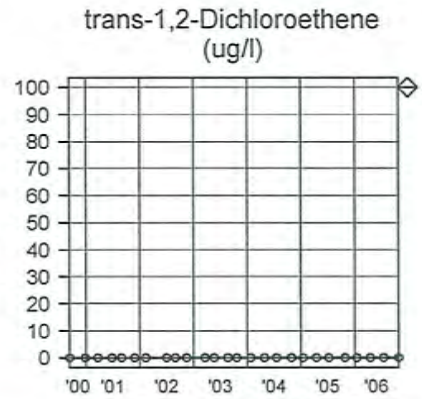

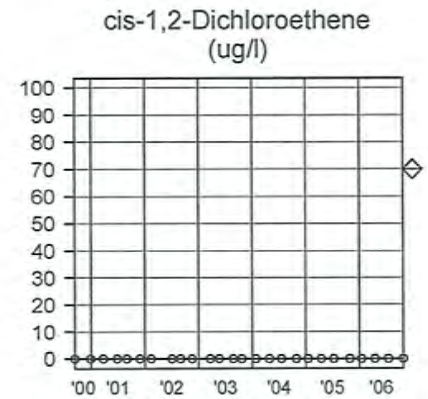

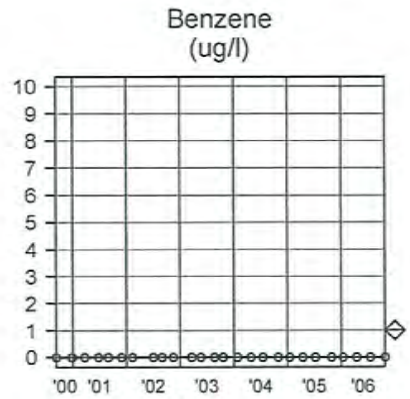

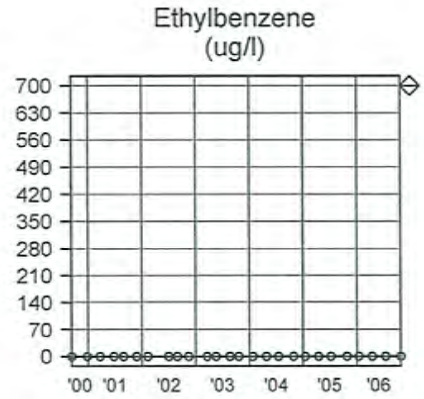

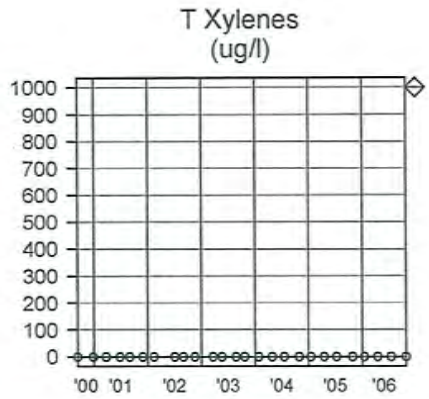

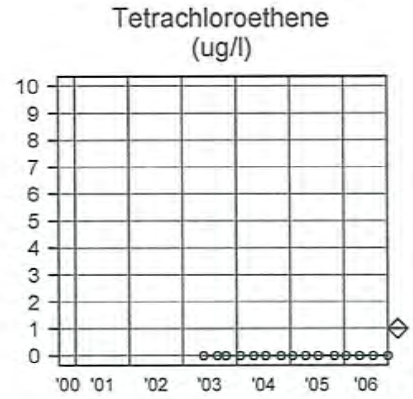

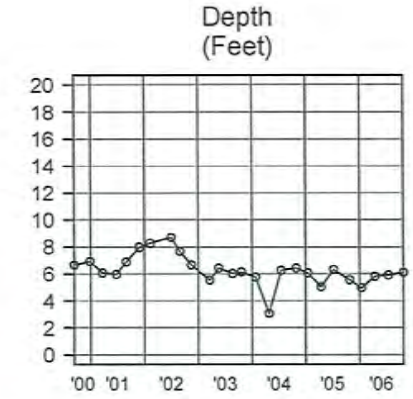

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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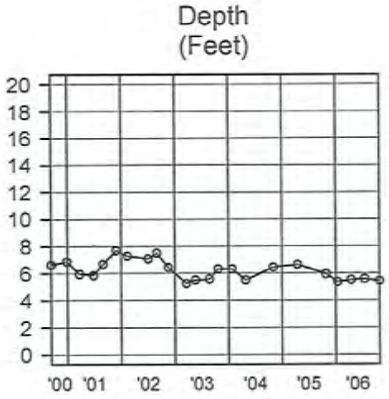

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.58	136.41	120.22		4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.81	406.83	4.17	72.16	191.02		4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	20.48	32.16		3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	8.70	8.51		5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	ND	126.76	301.23		4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	60.82	125.92	3.51	53.78	114.73		5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	98.1	238.34		4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	166.9	509.66	8.04	182.38	302.66		4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	94.11	211.4		4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.76	ND	1.24	ND		3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	38.58	88.36	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	ND	7.60	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	6.38	37.35	ND	9.01	20.7	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	9.55	26.61	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	1.02	2.54	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	2.55	ND	3.28	50.49	178.83	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	1.54	1.19	0.46	32.42	84.21	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	1.03	ND	1.98	45.57	183.47	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	1.54	0.51	1.77	48.96	169.32	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	0.52	0.24	ND	2.42	V
04/12/2006	FMETL	ND	ND	0.75	0.30	1.50	37.64	33.5	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	1.22	ND	3.25	1.83	ND	3.33	V
10/25/2006	FMETL	ND	17.17	0.75	0.39	0.92	17.80	19.83	ND	3.02	V

SOURCE: 0812MW04

Sampling Dates:
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NOTES:

New Ground Water Quality Criteria as per 11/07/05

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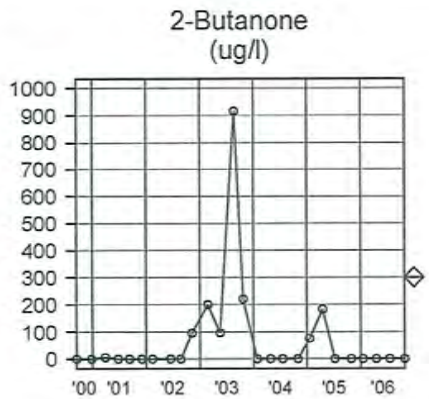

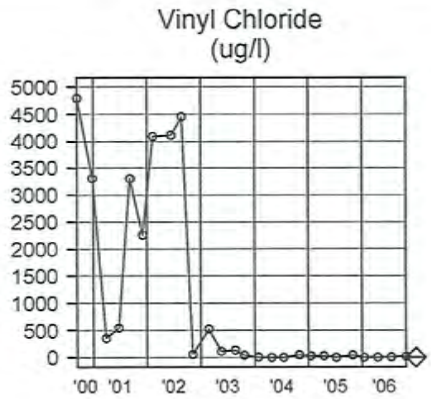

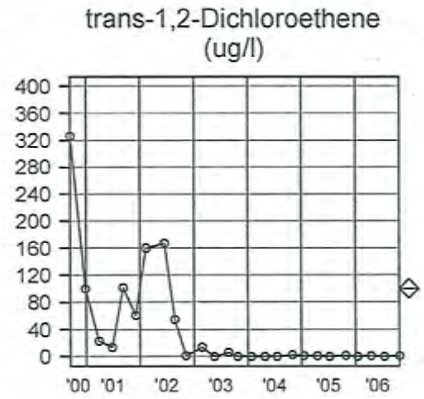

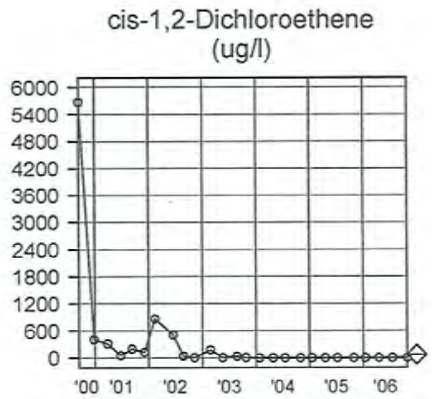

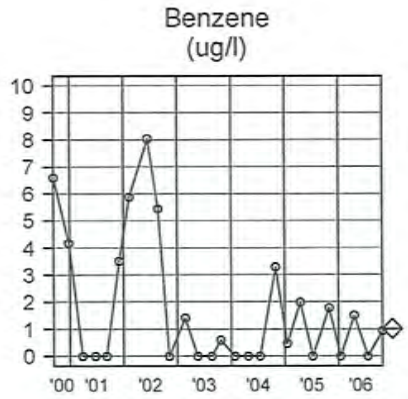

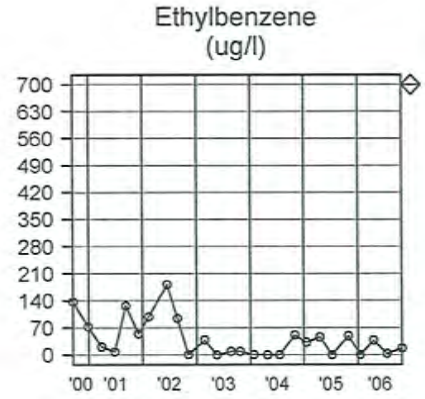

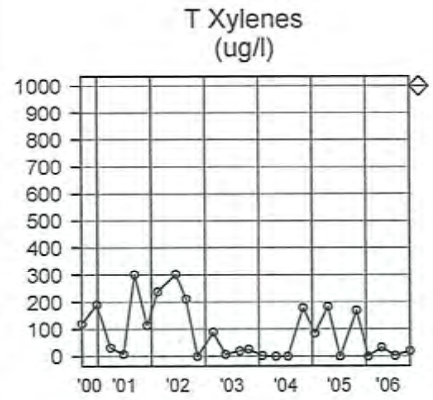

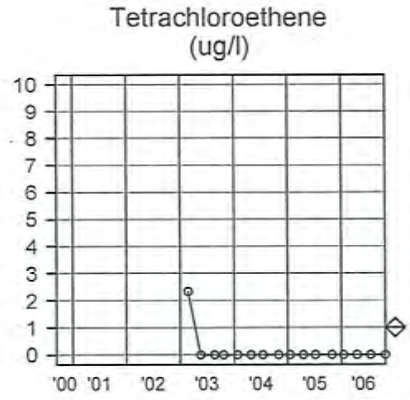

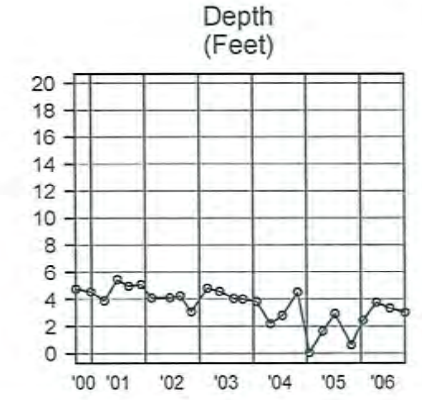

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

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NJDEP Criteria

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	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	ND	ND	ND	ND	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	ND	ND	ND	ND	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	1.02	0.28	1.45	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	0.25	ND	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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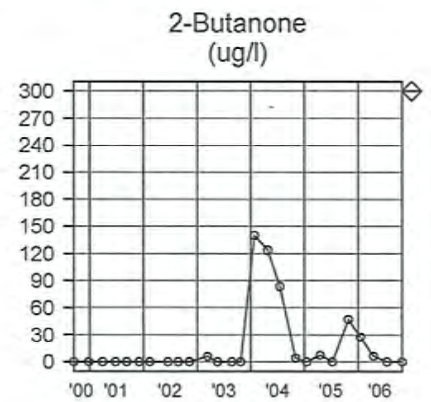

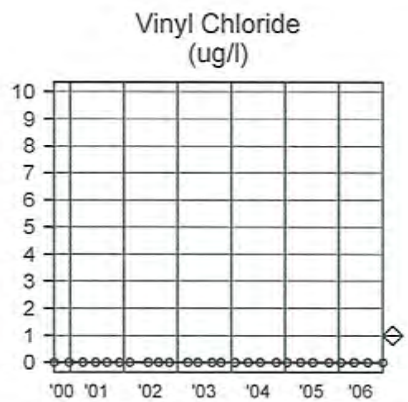

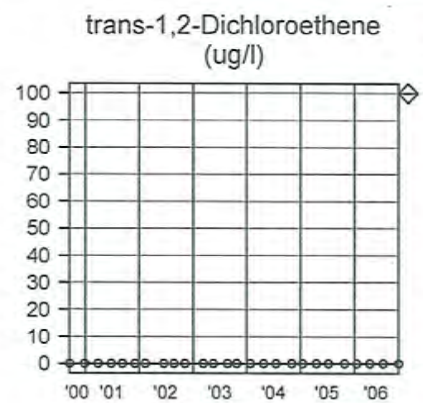

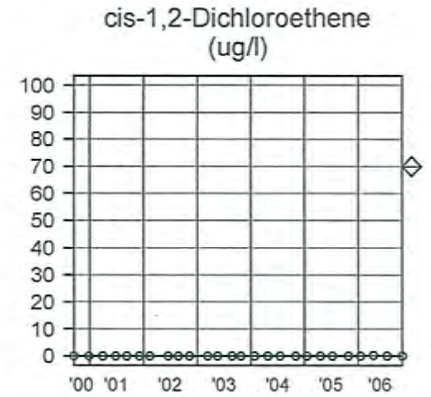

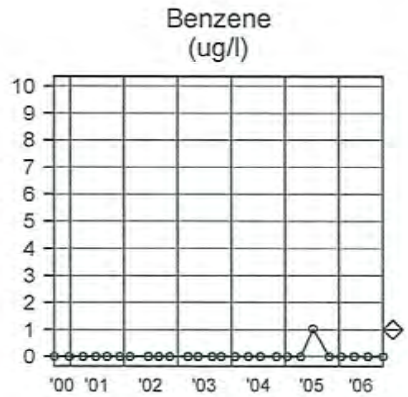

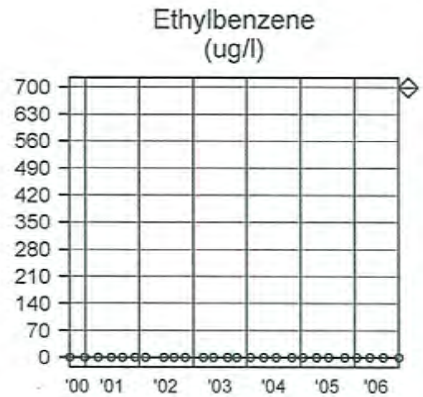

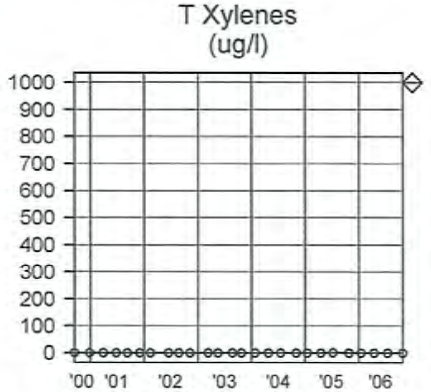

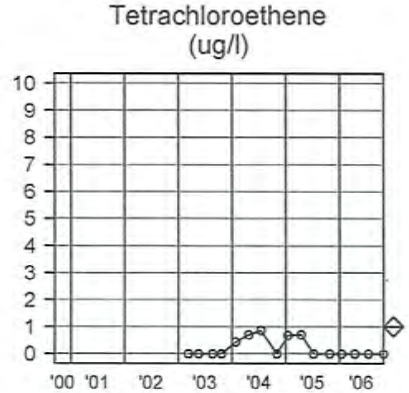

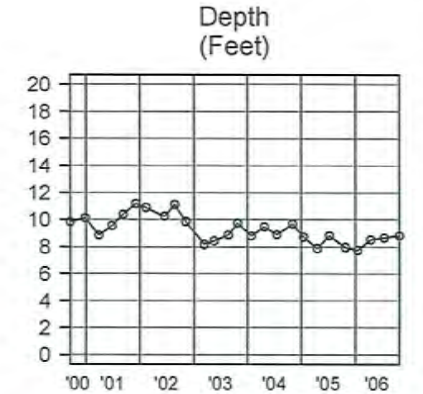

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000054

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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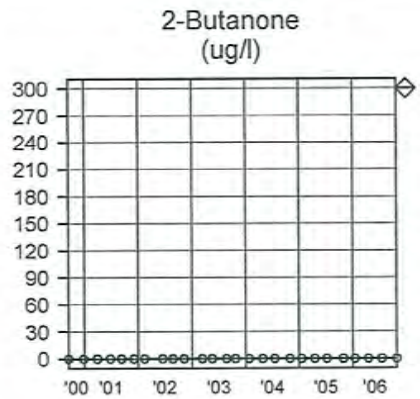
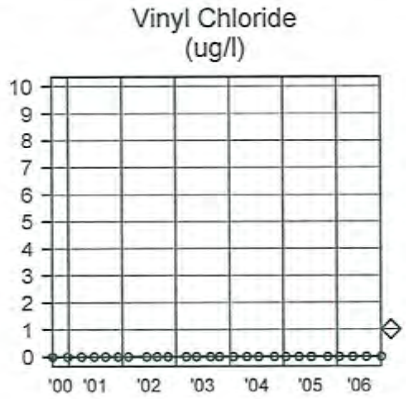
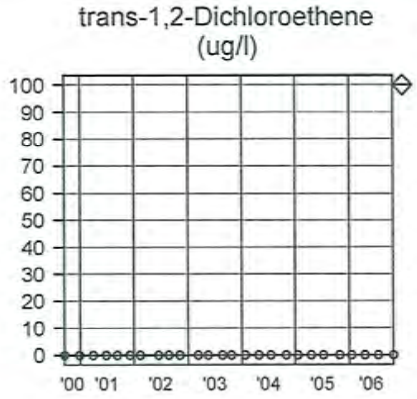
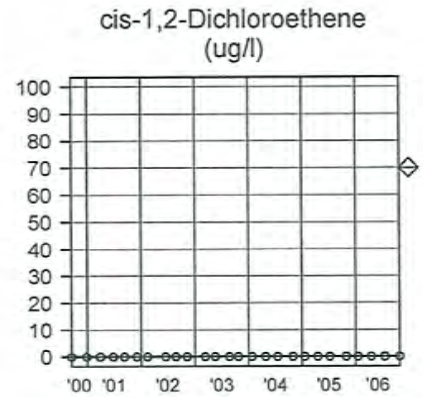
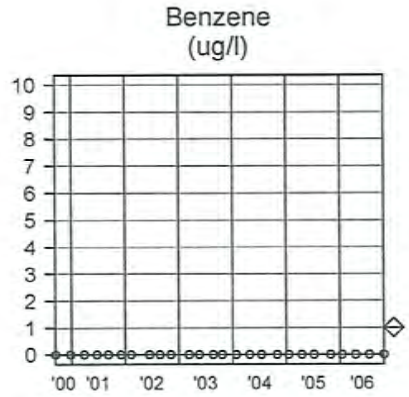
11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

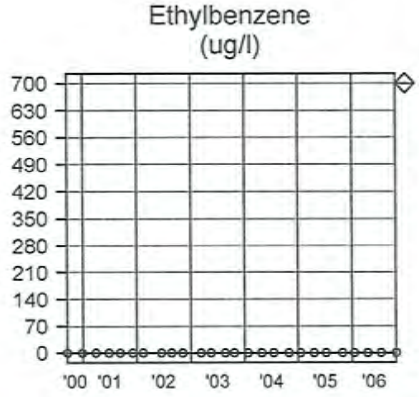


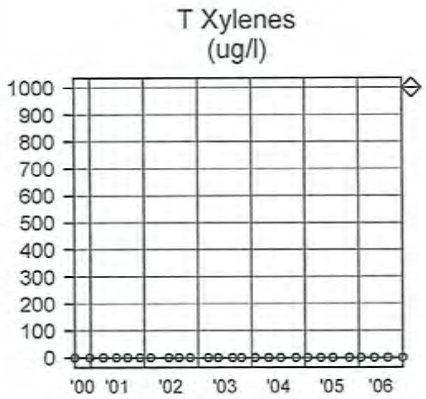


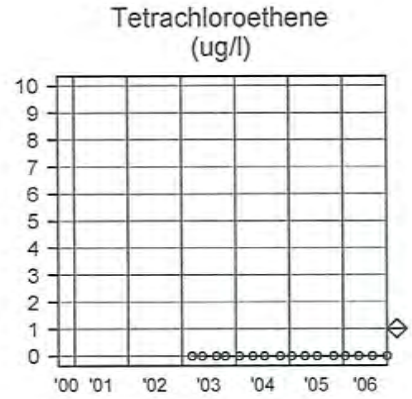


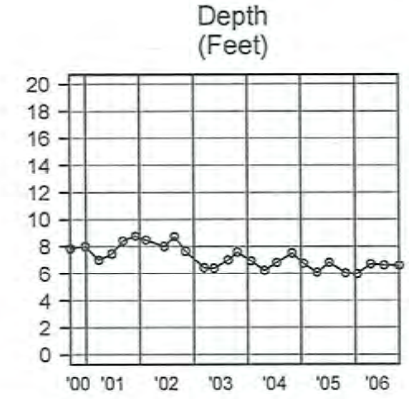












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000056

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	ND	ND	ND	ND	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	ND	ND	ND	ND	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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FORT MONMOUTH
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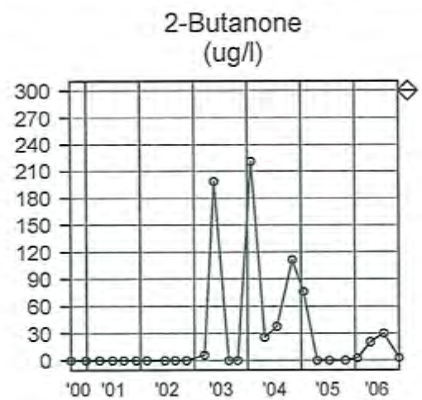

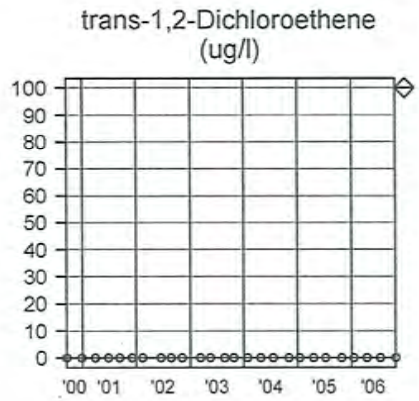

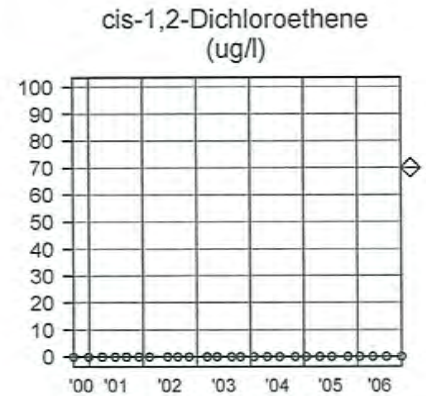

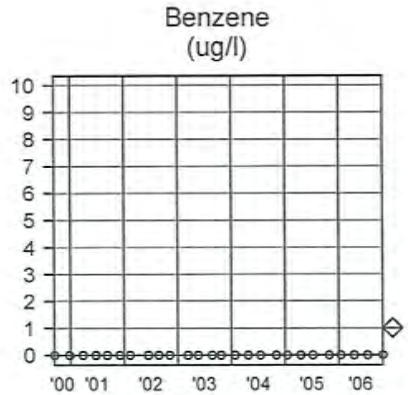

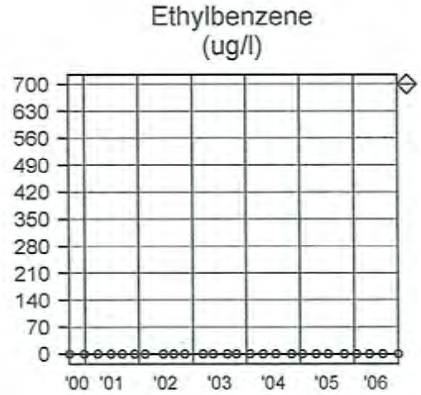

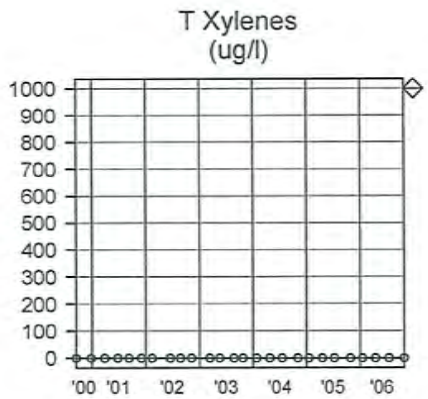

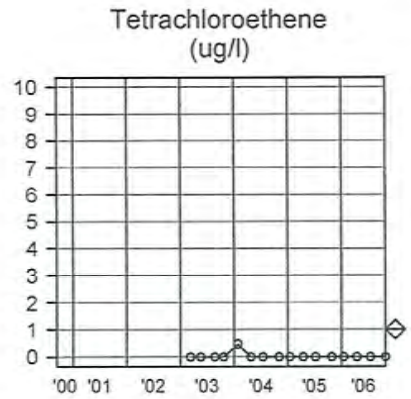

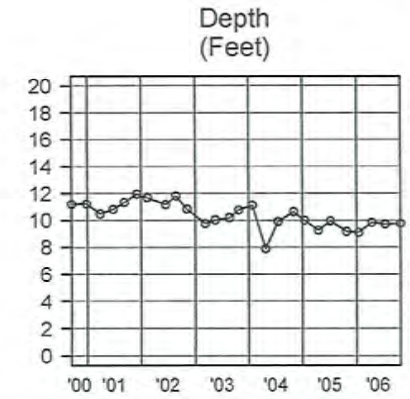

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000058

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	ND	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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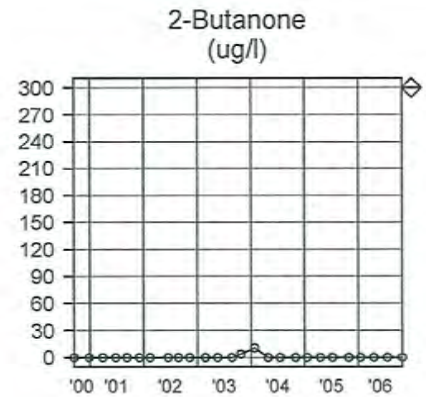

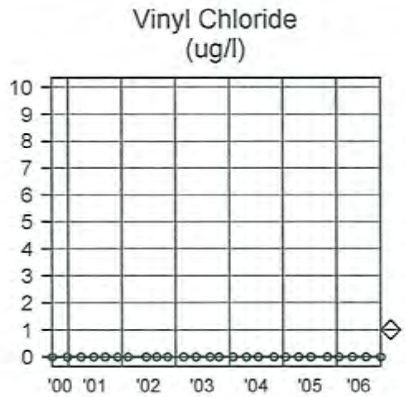

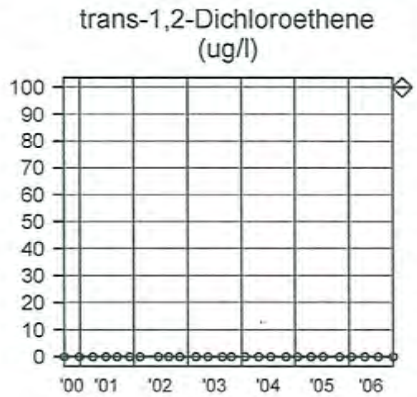

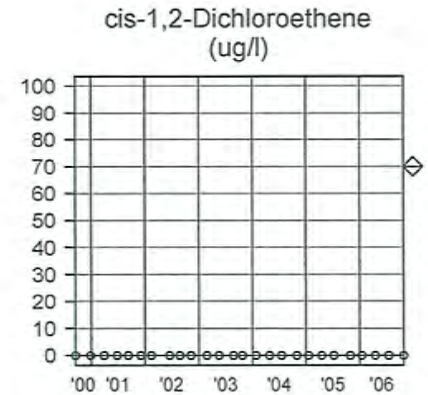

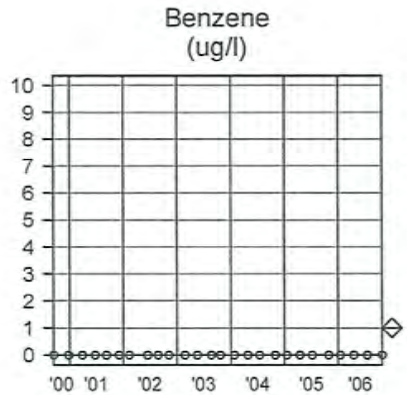

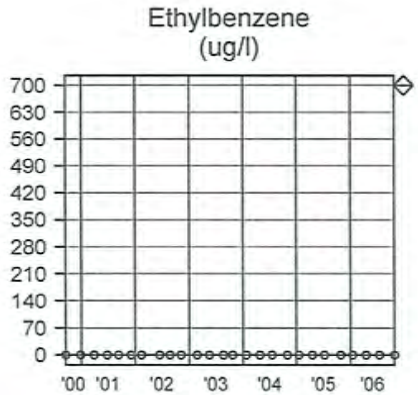

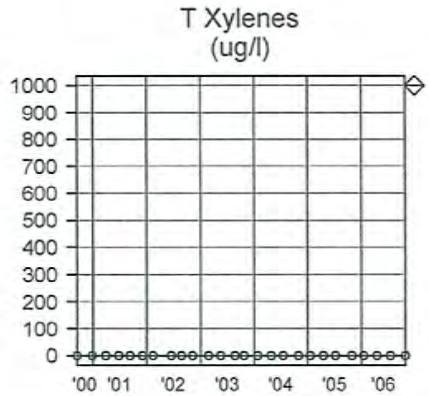

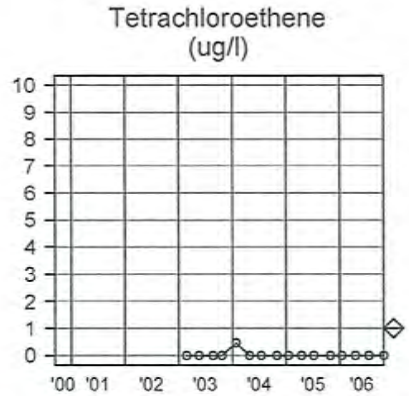

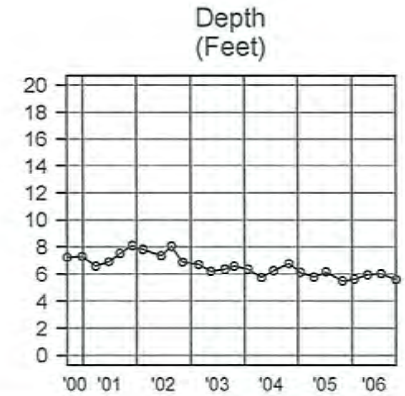

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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FORT MONMOUTH
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

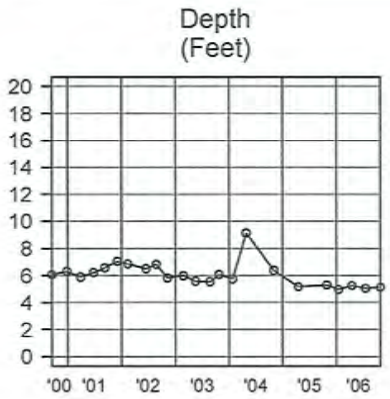
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000062

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

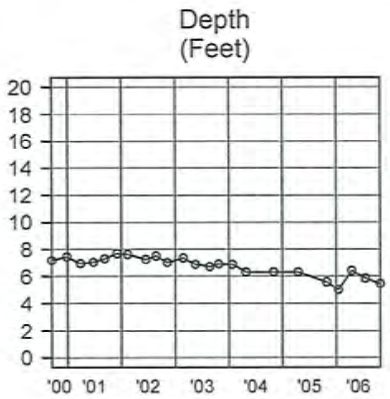
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000063



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000064

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

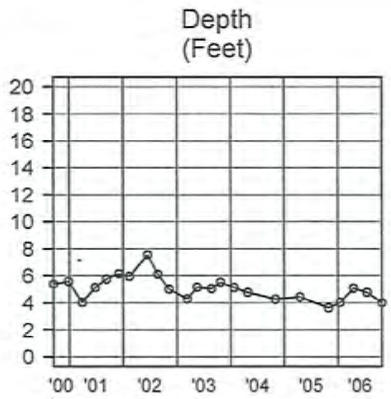
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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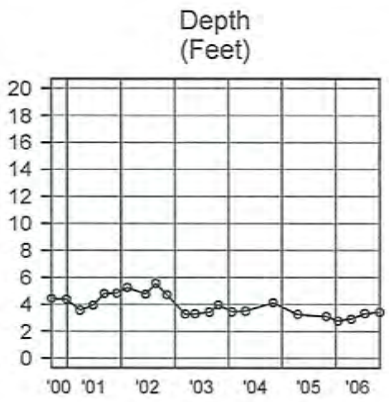
11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000068

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/25/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
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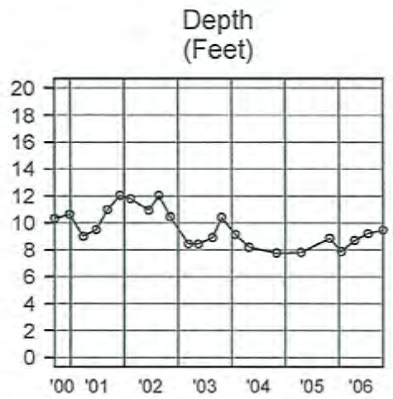

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/25/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND	ND		8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.85	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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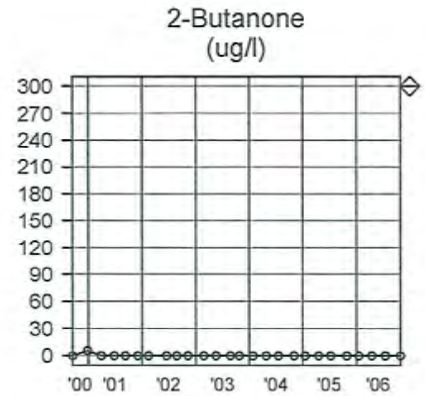

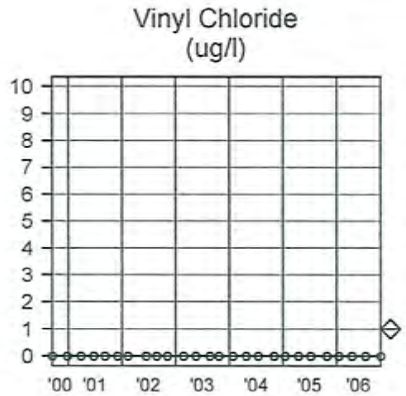

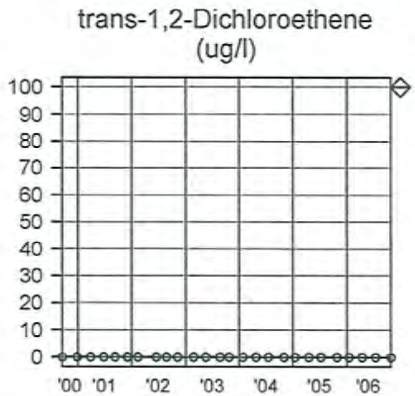

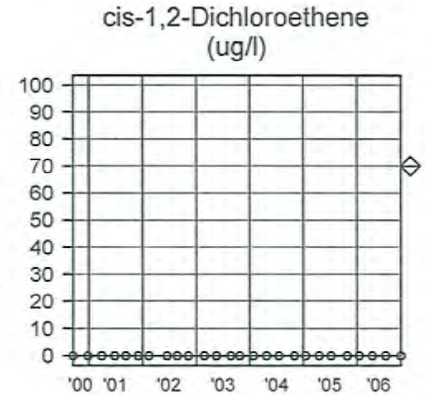

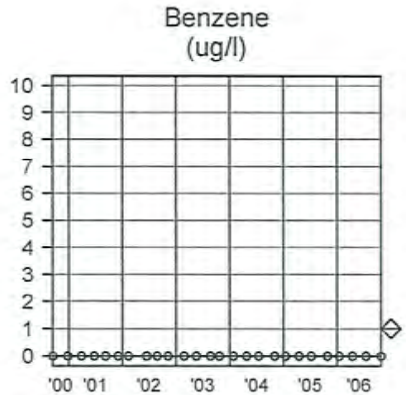

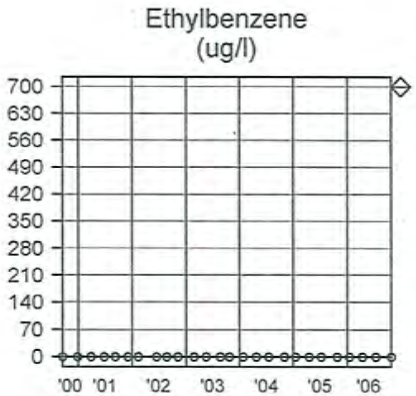

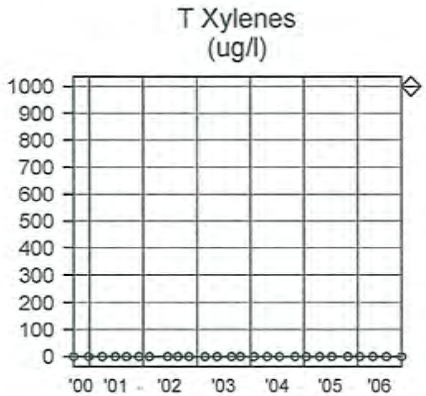

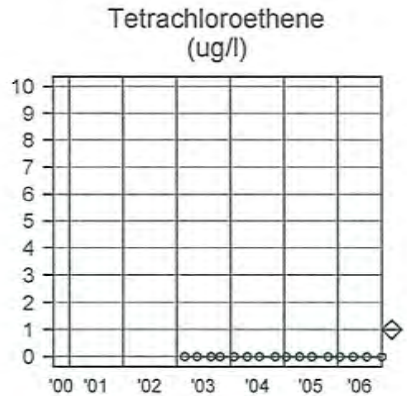

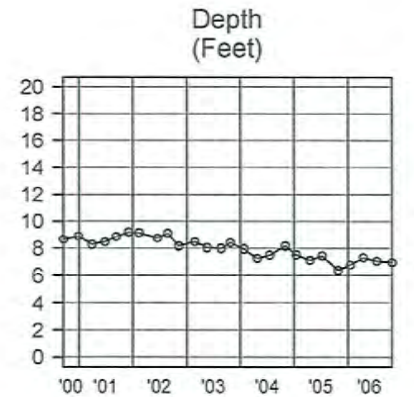

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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11-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
7001704	0812MW01	29-42572	01/11/07
7001705	0812MW02	29-42573	01/11/07
Not Sampled	0812MW03	29-42574	Not Sampled
7001706	0812MW04	29-42575	01/11/07
7001707	0812MW05	29-42576	01/11/07
7001708	0812MW06	29-42577	01/11/07
7001709	0812MW07	29-42578	01/11/07
7001710	0812MW08	29-42579	01/11/07
Not Sampled	0812MW09	29-42580	Not Sampled
Not Sampled	0812MW10	29-42581	Not Sampled
Not Sampled	0812MW11	29-42582	Not Sampled
Not Sampled	0812MW12	29-42583	Not Sampled
Not Sampled	0812MW13	29-42584	Not Sampled
7001711	0812MW14	29-42888	01/11/07

NJDEP Laboratory Certification # 13461

1-24-07
Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

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: JOE FALLON
Phone 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 1ST QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK/TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
10017.01	812 TRIP BLANK	1-11-07	9:00	AQ	2	X								
.02	812 FIELD BLANK	1-11-07	11:10	AQ	2	X								
.03	812 DUP.	1-11-07	—	AQ	2	X								
.04	812 MW#01	1-11-07	15:40	AQ	2	X								29-42572
.05	812 MW#02	1-11-07	15:50	AQ	2	X								29-42573
.06	812 MW#04	1-11-07	14:10	AQ	2	X								29-42575
.07	812 MW#05	1-11-07	15:20	AQ	2	X								29-42576
.08	812 MW#06	1-11-07	11:30	AQ	2	X								29-42577
.09	812 MW#07	1-11-07	15:00	AQ	2	X								29-42578
.10	812 MW#08*	1-11-07	11:20	AQ	2	X								29-42579
.11	812 MW#14	1-11-07	11:40	AQ	2	X								29-42888

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
[signature]	1/11/07 16:15	[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:

000002

print legibly

COC._110/16/2006

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.30 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.32 ft
(41.32) X .65 X 3 =80.57
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:43
pH 7.73 su — TEMP 14.85 °C
DISSOLVED O_2 5.72 mg/L — SPECIFIC CONDUCTIVITY 1604.0 µs/cm

PURGE END TIME: 15:35
pH 6.91 su — TEMP 15.13 °C
DISSOLVED O_2 1.67 mg/L — SPECIFIC CONDUCTIVITY 2016.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:40
pH 7.21 su — TEMP 15.16 °C
DISSOLVED O_2 1.32 mg/L — SPECIFIC CONDUCTIVITY 1661.0 µs/cm

SAMPLE END TIME: 15:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.16 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.75 ft
(42.75) X .65 X 3 = 83.36
GALLONS OF H_2O TO BE PURGED: 84 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:36
pH 7.77 su
DISSOLVED O_2 6.13 mg/L
TEMP 15.73 °C
SPECIFIC CONDUCTIVITY 1702.0 µs/cm

PURGE END TIME: 15:41
pH 7.26 su
DISSOLVED O_2 4.63 mg/L
TEMP 15.78 °C
SPECIFIC CONDUCTIVITY 1609.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 15:50
pH 7.37 su
DISSOLVED O_2 1.33 mg/L
TEMP 15.91 °C
SPECIFIC CONDUCTIVITY 1619.0 µs/cm

SAMPLE END TIME: 15:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.25 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.00 ppm

PURGE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.35 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.27 ft
(4.27) X .65 X 3 = 8.32
GALLONS OF H_2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:34
pH 7.02 su
DISSOLVED O_2 6.37 mg/L
TEMP 10.21 °C
SPECIFIC CONDUCTIVITY 8773.0 µs/cm

PURGE END TIME: 14:09
pH 6.54 su
DISSOLVED O_2 5.93 mg/L
TEMP 10.37 °C
SPECIFIC CONDUCTIVITY 7677.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.17 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 14:10
pH 6.76 su
DISSOLVED O_2 2.55 mg/L
TEMP 10.39 °C
SPECIFIC CONDUCTIVITY 8051.0 µs/cm

SAMPLE END TIME: 14:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.91 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.68 ft
(9.68) X .65 X 3 =18.87
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:49
pH 5.30 su
DISSOLVED O_2 1.16 mg/L
TEMP 15.06 °C
PECIFIC CONDUCTIVITY 9631.0 µs/cm

PURGE END TIME: 15:12
pH 5.59 su
DISSOLVED O_2 3.49 mg/L
TEMP 15.71 °C
SPECIFIC CONDUCTIVITY 9734.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.54 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:20
pH 5.60 su
DISSOLVED O_2 2.91 mg/L
TEMP 15.71 °C
SPECIFIC CONDUCTIVITY 9742.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.12 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.88 ft
(8.88) X .65 X 3 =17.31
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:00
pH 5.11 su
DISSOLVED O_2 4.02 mg/L
TEMP 14.87 °C
PECIFIC CONDUCTIVITY 5231.0 µs/cm

PURGE END TIME: 11:18
pH 5.00 su
DISSOLVED O_2 5.18 mg/L
TEMP 15.27 °C
SPECIFIC CONDUCTIVITY 5281.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.33 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:30
pH 4.95 su
DISSOLVED O_2 3.76 mg/L
TEMP 15.26 °C
SPECIFIC CONDUCTIVITY 5139.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.28 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.03 ft
(8.03) X .65 X 3 =15.65
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:41
pH 5.91 su
DISSOLVED O_2 1.52 mg/L
TEMP 15.18 °C
SPECIFIC CONDUCTIVITY 9849.0 µs/cm

PURGE END TIME: 14:51
pH 5.98 su
DISSOLVED O_2 1.87 mg/L
TEMP 15.34 °C
SPECIFIC CONDUCTIVITY 9896.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 15:00
pH 5.99 su
DISSOLVED O_2 1.55 mg/L
TEMP 15.68 °C
SPECIFIC CONDUCTIVITY 9920.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.73 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.53 ft
(9.53) X .65 X 3 =18.58
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:50
pH 5.07 su
DISSOLVED O_2 1.43 mg/L
TEMP 15.84 °C
SPECIFIC CONDUCTIVITY 8563.0 µs/cm

PURGE END TIME: 11:13
pH 4.96 su
DISSOLVED O_2 4.09 mg/L
TEMP 16.02 °C
SPECIFIC CONDUCTIVITY 6348.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.02 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:20
pH 4.77 su
DISSOLVED O_2 1.97 mg/L
TEMP 16.37 °C
SPECIFIC CONDUCTIVITY 6806.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.88 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.67 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.01 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.15 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.59 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/11/07
WEATHER: Sunny and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.56 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.09 ft
(8.09) X .65 X 3 =15.77
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:09
pH 6.45 su
DISSOLVED O_2 3.46 mg/L

TEMP 14.13 °C
SPECIFIC CONDUCTIVITY 3956.0 µs/cm

PURGE END TIME: 11:19
pH 6.17 su
DISSOLVED O_2 4.49 mg/L

TEMP 14.75 °C
SPECIFIC CONDUCTIVITY 4706.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:40
pH 6.36 su
DISSOLVED O_2 3.29 mg/L

TEMP 14.74 °C
SPECIFIC CONDUCTIVITY 4690.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024195.D	Sample Name	MB 18 JAN 2007
Operator	VBP	Field ID	
Date Acquired	18 Jan 2007 9:56 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.98	59052	1.76 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 18 JAN 2007**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: MB 18 JAN 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024195.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

V.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024217.D	Sample Name	MB 19 JAN 2007
Operator	VBP	Field ID	
Date Acquired	19 Jan 2007 10:39 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.94	53391	1.72 ug/L	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 19 JAN 2007**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: MB 19 JAN 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024217.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. _____ Date Analyzed: 1/19/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024205.D	Sample Name	7001701
Operator	VBP	Field ID	812 Trip Blank
Date Acquired	18 Jan 2007 5:01 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024205.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024206.D	Sample Name	7001702
Operator	VBP	Field ID	812 Field Blank
Date Acquired	18 Jan 2007 5:44 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.99	40141	1.17 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024206.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024207.D	Sample Name	7001703
Operator	VBP	Field ID	812 DUP
Date Acquired	18 Jan 2007 6:26 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024207.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024208.D	Sample Name	7001704
Operator	VBP	Field ID	812 MW#01
Date Acquired	18 Jan 2007 7:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	.1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024208.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024209.D	Sample Name	7001705
Operator	VBP	Field ID	812 MW#02
Date Acquired	18 Jan 2007 7:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.98	32468	0.97 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024209.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024210.D	Sample Name	7001706
Operator	VBP	Field ID	812 MW#04
Date Acquired	18 Jan 2007 8:33 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.50	227055	1.98 ug/L	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000'	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.24	171202	1.48 ug/L	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene	26.25	77420	0.92 ug/L	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024210.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024211.D	Sample Name	7001707
Operator	VBP	Field ID	812 MW#05
Date Acquired	18 Jan 2007 9:16 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	7.01	93161	1.45 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.98	18256	0.55 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	14.27	266217	2.41 ug/L	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024211.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024212.D	Sample Name	7001708
Operator	VBP	Field ID	812 MW#06
Date Acquired	18 Jan 2007 9:59 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024212.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/18/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024213.D	Sample Name	7001709
Operator	VBP	Field ID	812 MW#07
Date Acquired	19 Jan 2007 7:50 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.96	52852	0.80 ug/L	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone	11.93	85094	2.49 ug/L	6000	0.36 ug/L	2.00 ug/L	B
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024213.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/19/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024223.D	Sample Name	7001710
Operator	VBP	Field ID	812 MW#08
Date Acquired	19 Jan 2007 2:54 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#08**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024223.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. Date Analyzed: 1/19/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB024224.D	Sample Name	7001711
Operator	VBP	Field ID	812 MW#14
Date Acquired	19 Jan 2007 3:37 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.20 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.24 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.23 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.26 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.19 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.24 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.24 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.24 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.20 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.26 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.20 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.22 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.20 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.24 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.23 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.26 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.24 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.23 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.35 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.26 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.25 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.28 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.43 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.22 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.28 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.27 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.21 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.21 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.27 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.45 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: 70017 Case No.: MW Location: 812 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7001711

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024224.D

Level: (low/med) LOW Date Received: 1/11/2007

% Moisture: not dec. _____ Date Analyzed: 1/19/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND	ND		8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/11/2007

NOTES:

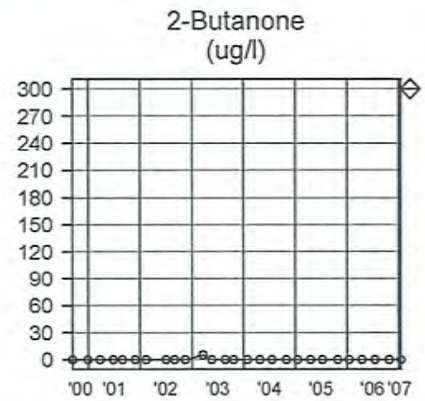
New Ground Water Quality Criteria as per 11/07/05

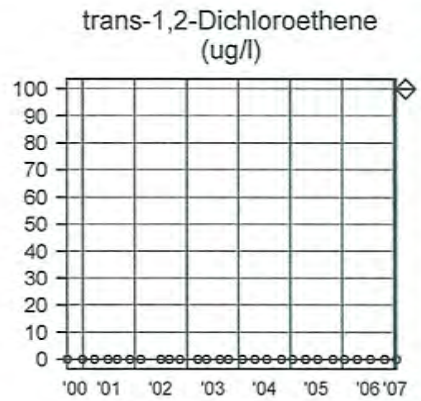
FORT MONMOUTH

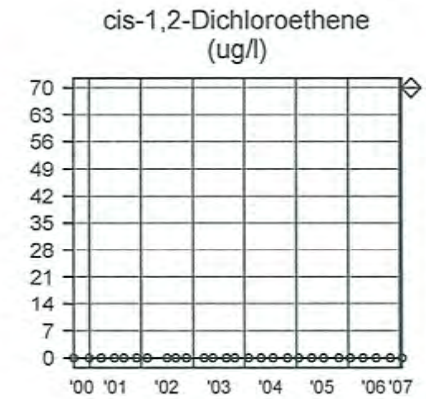
GW MONITORING
M-8 Bldg 697

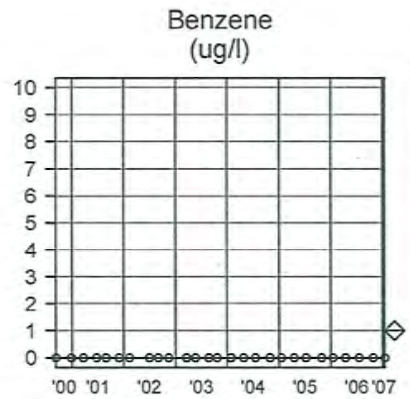
Source 12 of 14

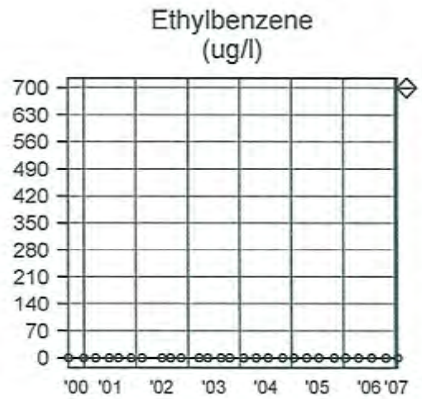
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

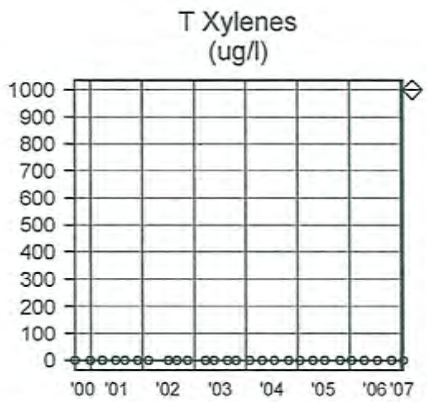


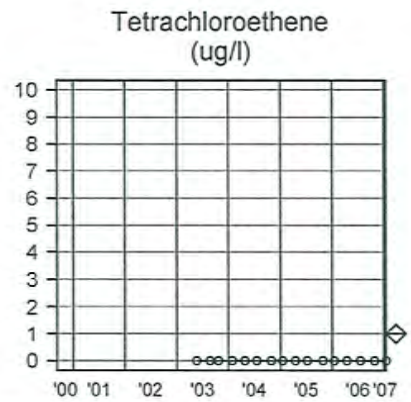


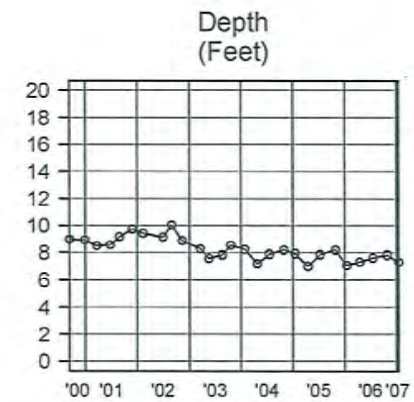












SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000047

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND	ND		5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

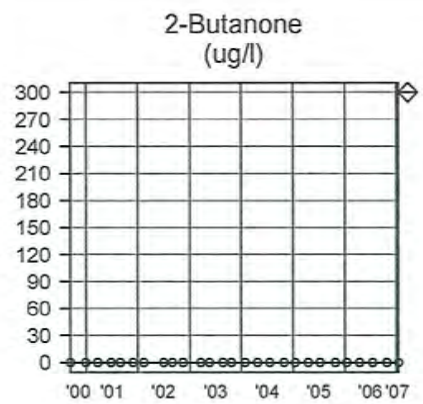
GW MONITORING
M-8 Bldg 697

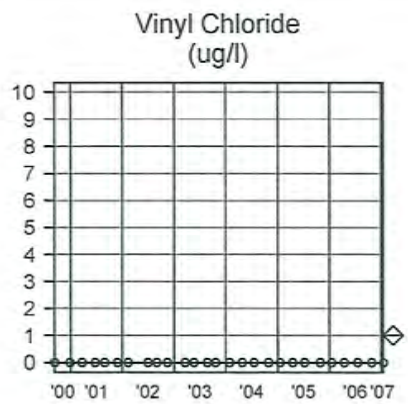
Source 13 of 14

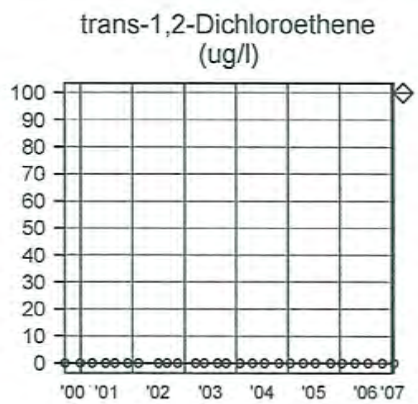
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

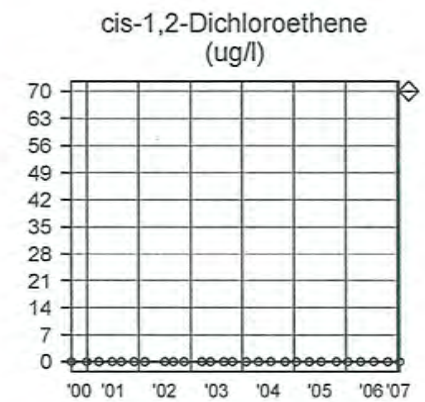
01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

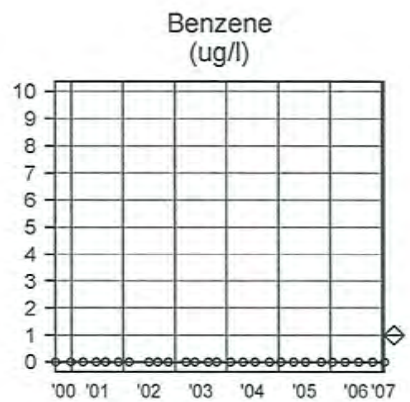
000048

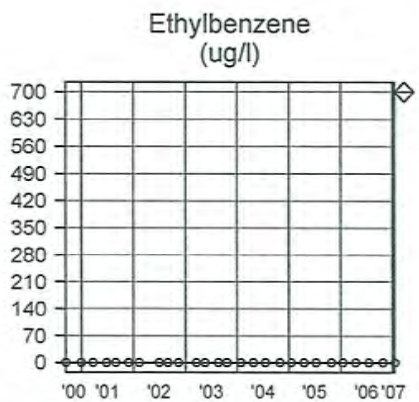


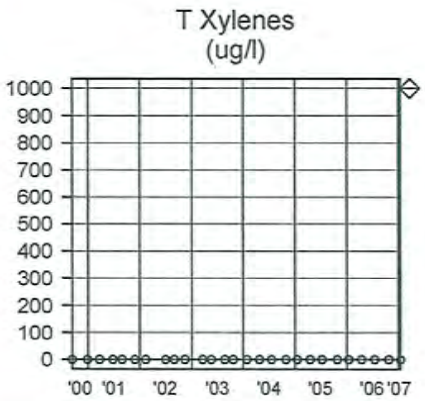


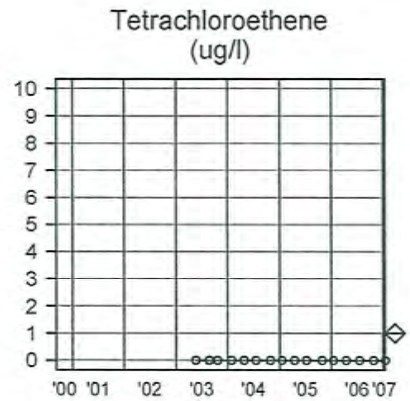


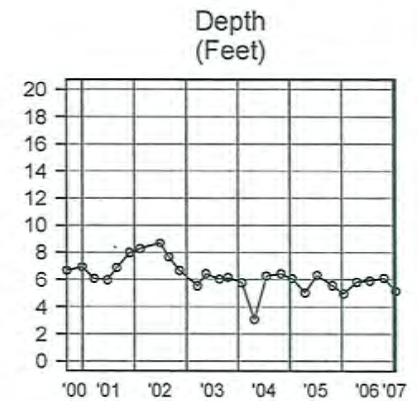












SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 01/11/2007

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
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000049

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 01/11/2007

LEGEND:

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NJDEP Criteria

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000051

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.58	136.41	120.22		4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.81	406.83	4.17	72.16	191.02		4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	20.48	32.16		3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	8.70	8.51		5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	ND	126.76	301.23		4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	60.82	125.92	3.51	53.78	114.73		5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	98.1	238.34		4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	166.9	509.66	8.04	182.38	302.66		4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	94.11	211.4		4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.76	ND	1.24	ND		3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	38.58	88.36	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	ND	7.60	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	136.6	6.38	37.35	ND	9.01	20.7	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	9.55	26.61	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	1.02	2.54	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	2.55	ND	3.28	50.49	178.83	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	1.54	1.19	0.46	32.42	84.21	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	1.03	ND	1.98	45.57	183.47	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	1.54	0.51	1.77	48.96	169.32	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	0.52	0.24	ND	2.42	V
04/12/2006	FMETL	ND	ND	0.75	0.30	1.50	37.64	33.5	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	1.22	ND	3.25	1.83	ND	3.33	V
10/25/2006	FMETL	ND	17.17	0.75	0.39	0.92	17.80	19.83	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	1.48	0.92	ND	2.35	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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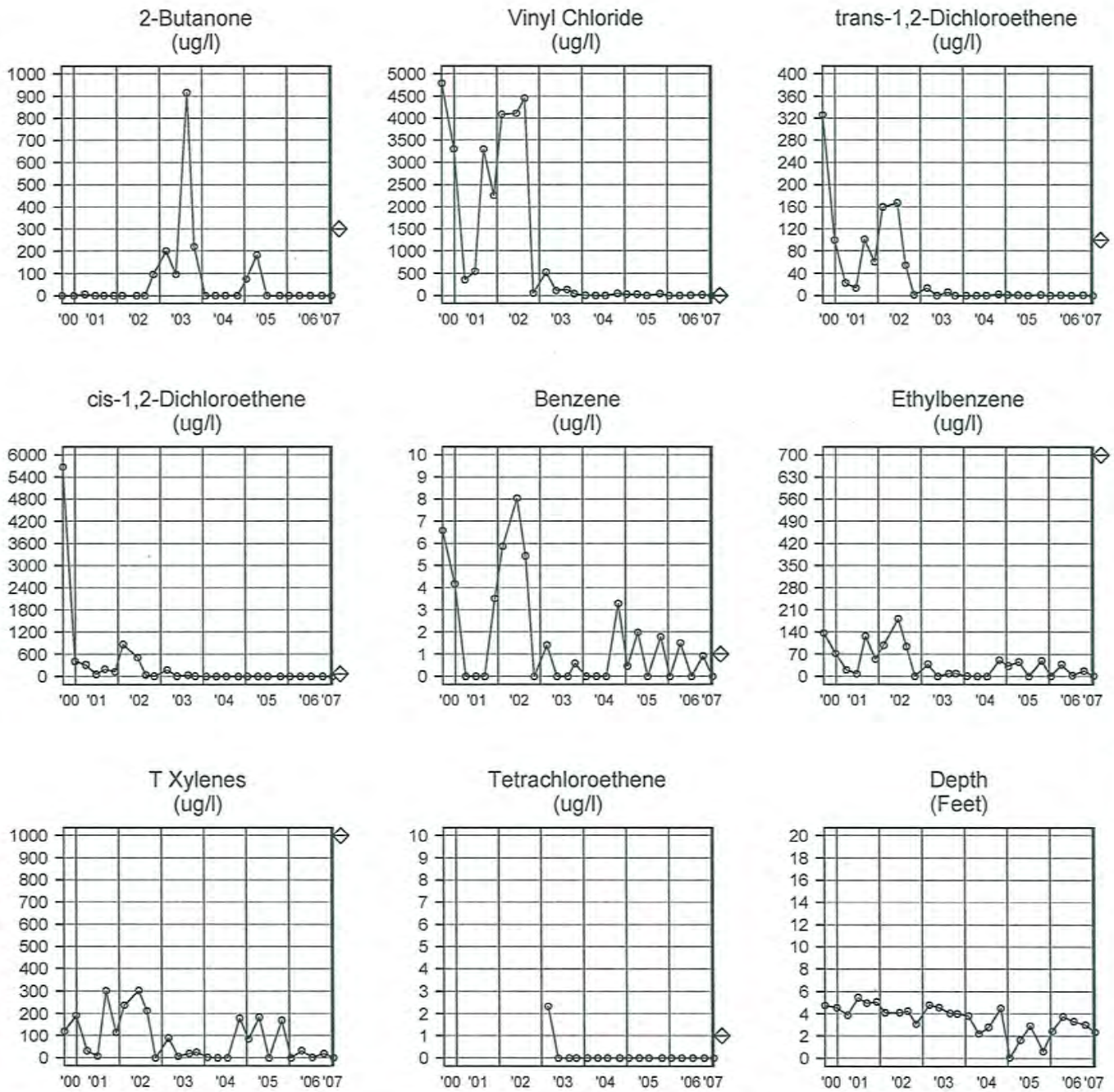

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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000052

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	ND	ND	ND	ND	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	ND	ND	ND	ND	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	1.02	0.28	1.45	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	0.25	ND	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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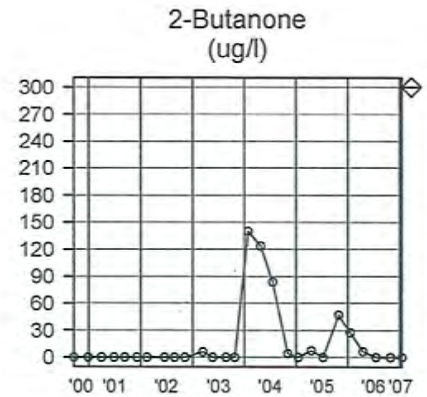

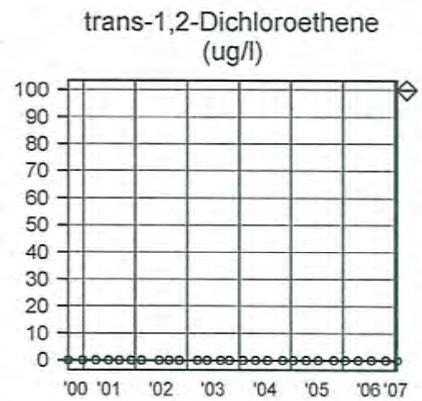

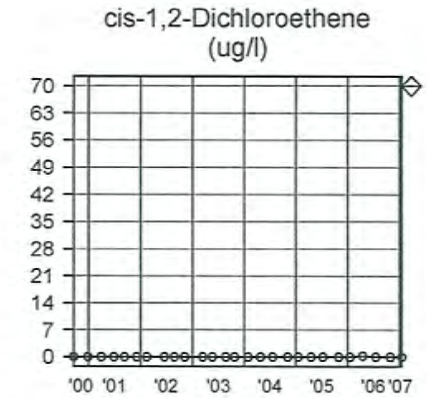

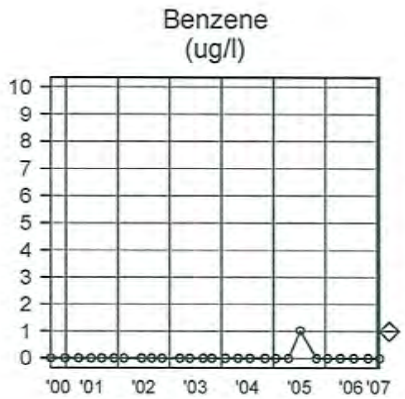

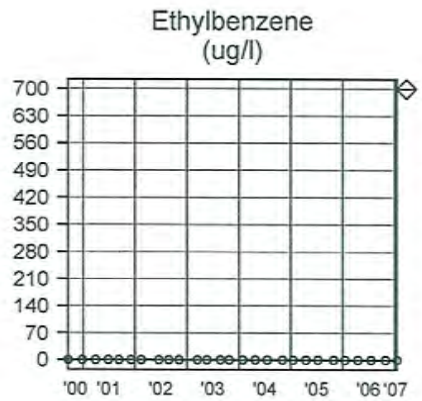

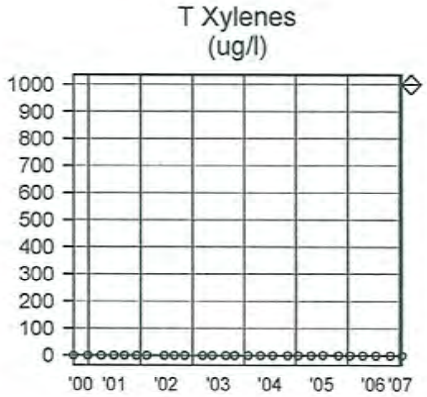

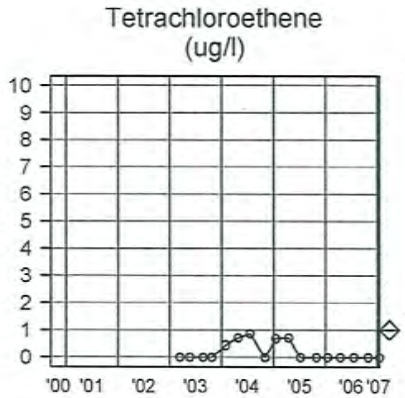

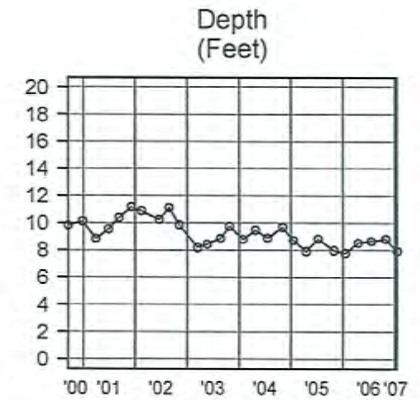

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 01/11/2007

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NJDEP Criteria

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FORT MONMOUTH
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01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000055

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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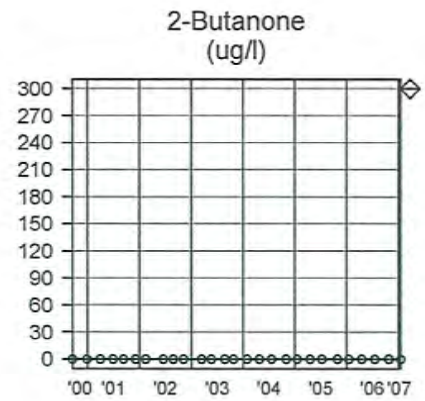

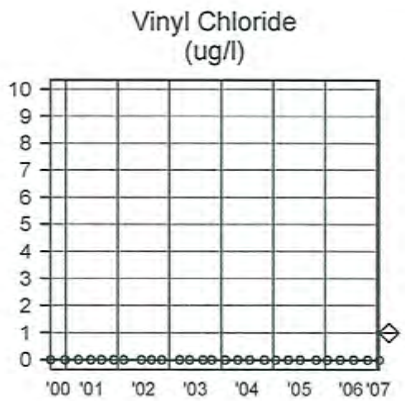

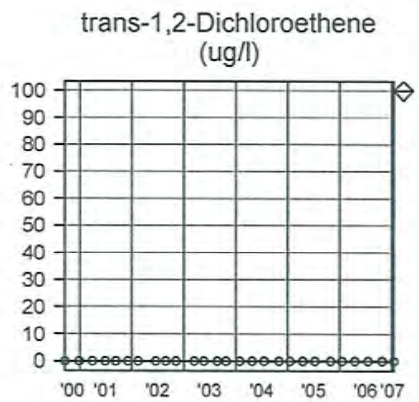

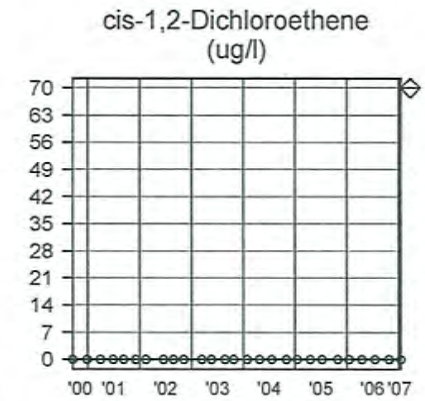

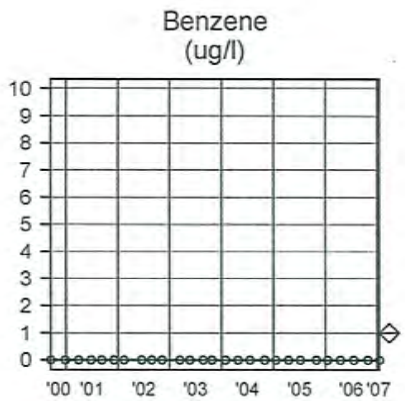

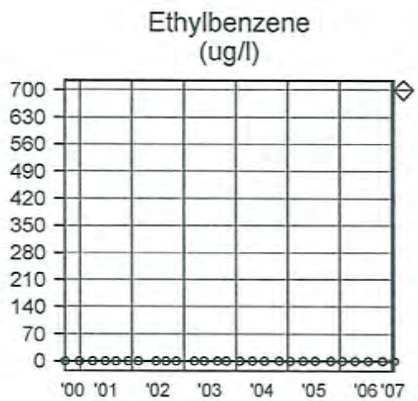

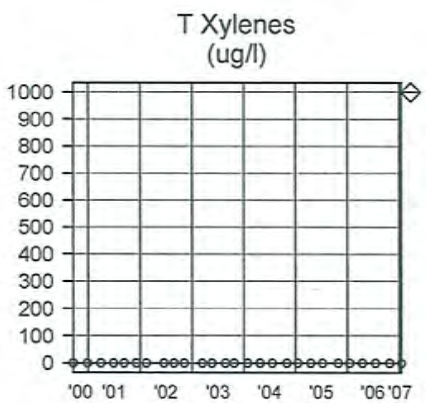

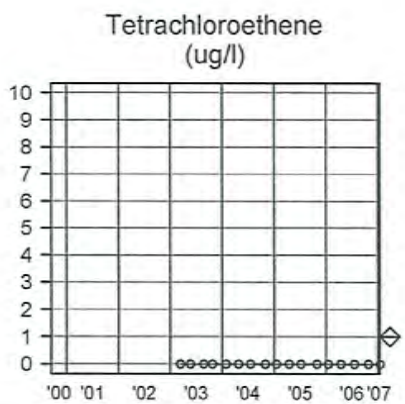

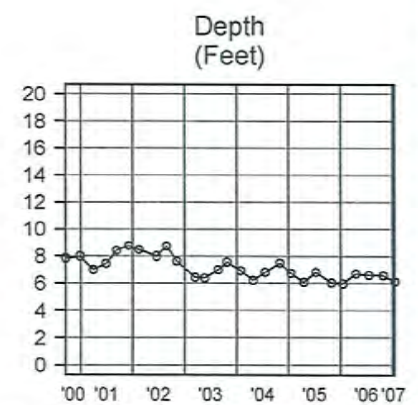

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000057

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	ND	ND	ND	ND	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	ND	ND	ND	ND	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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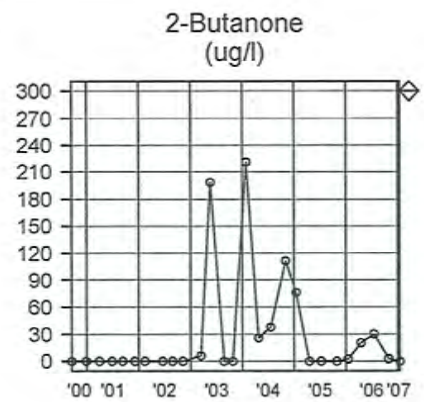

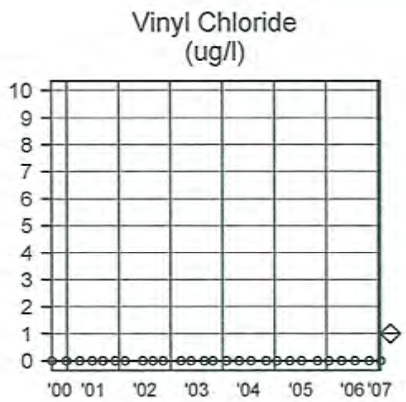

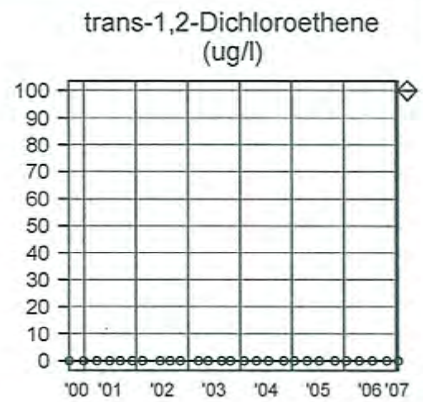

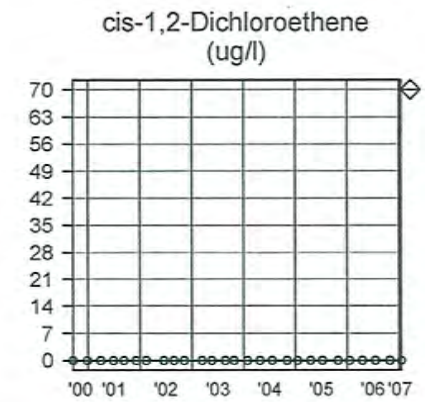

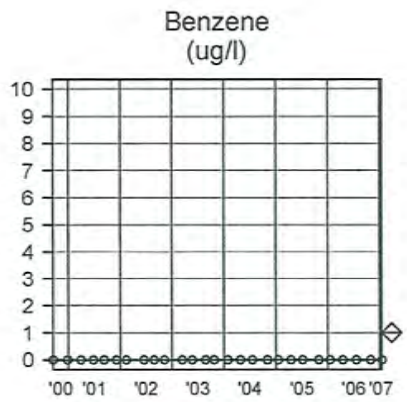

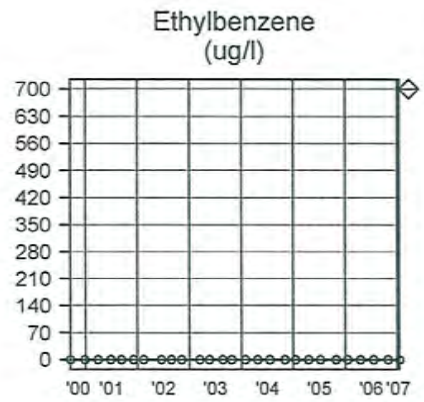

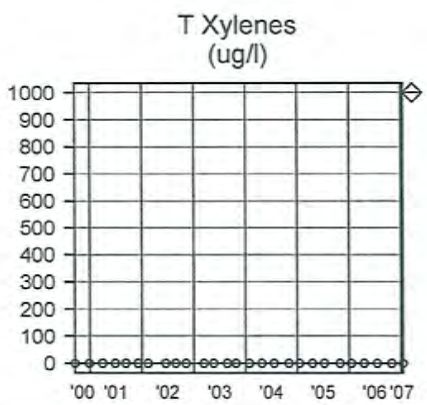

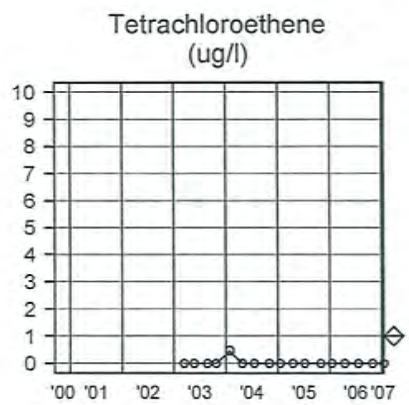

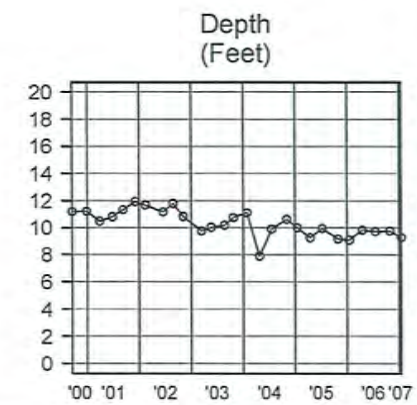

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	ND	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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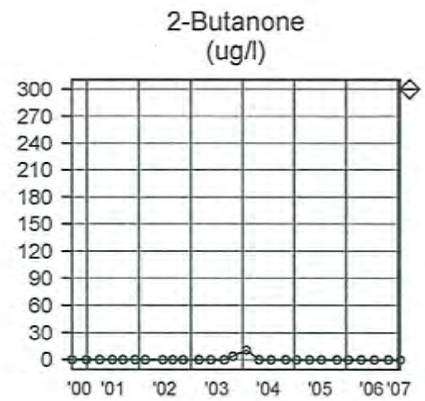
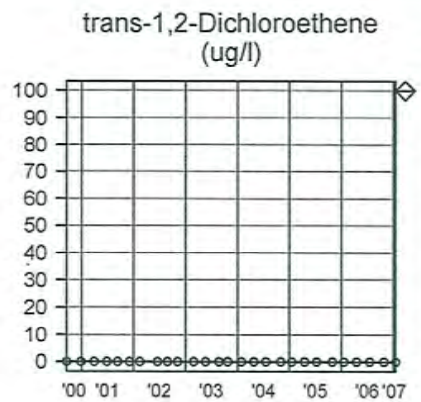
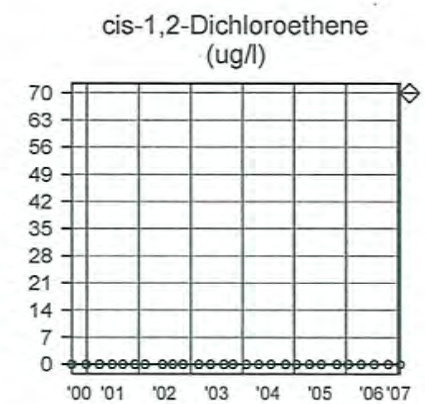
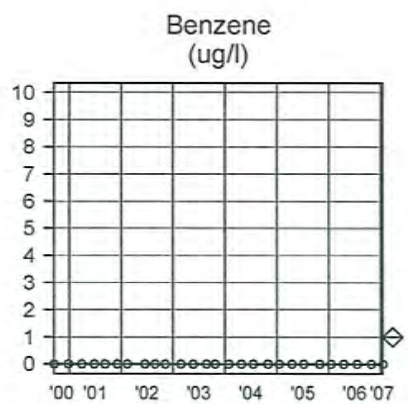
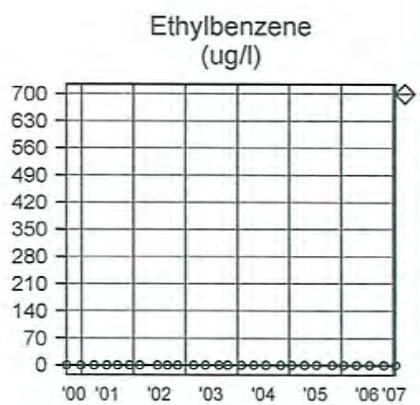
000060

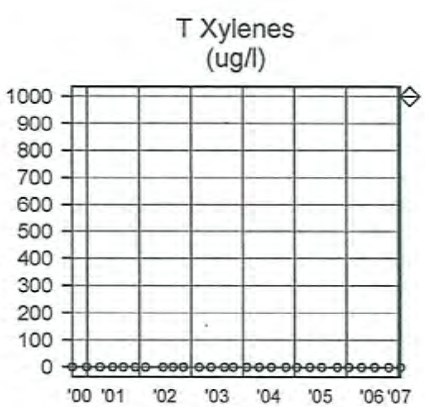


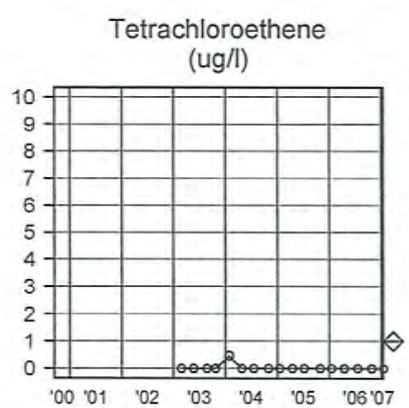


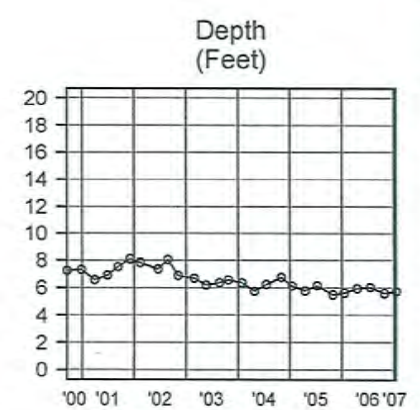












SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000061

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
SELFM-PW-EV

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000063

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

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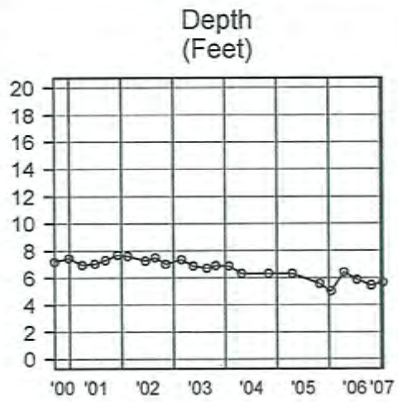

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000065

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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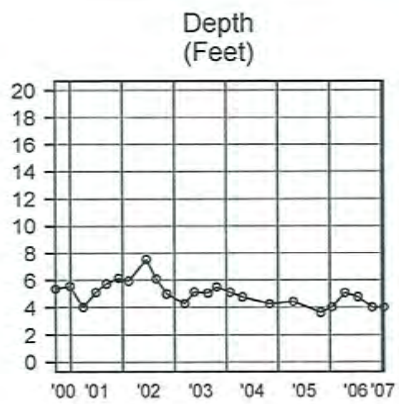

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

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o = Date Sampled

NJDEP Criteria

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Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000067

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

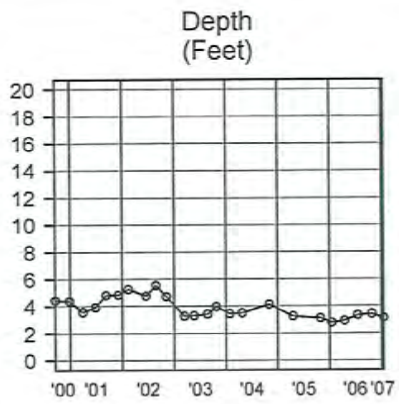
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000068



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

690000

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

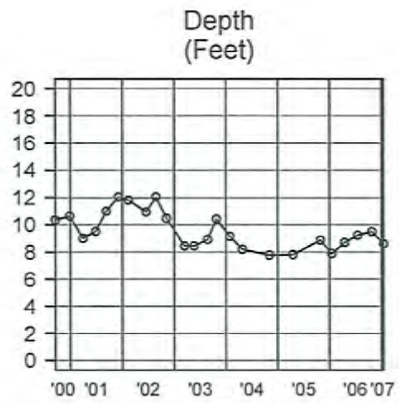
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000070



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000071

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	T Xylenes	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	700	1000	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND		8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND	ND		8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND		8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.85	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND		9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND		8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/11/2007

NOTES:

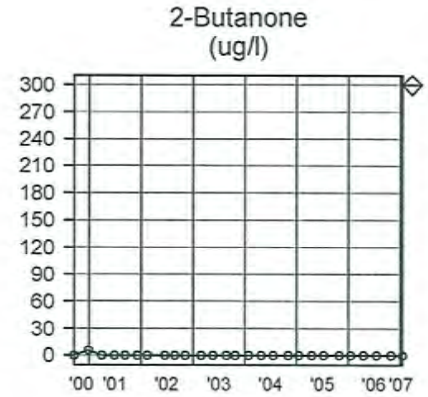
New Ground Water Quality Criteria as per 11/07/05

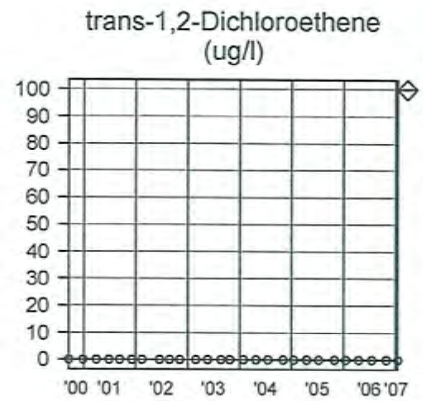
FORT MONMOUTH

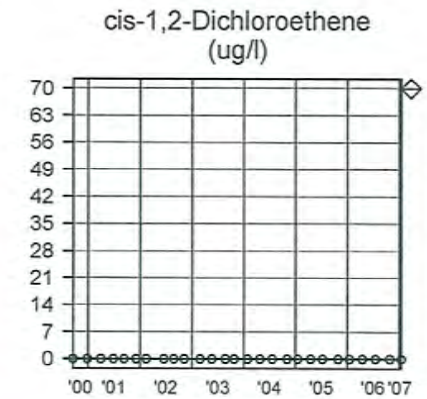
GW MONITORING
M-8 Bldg 697

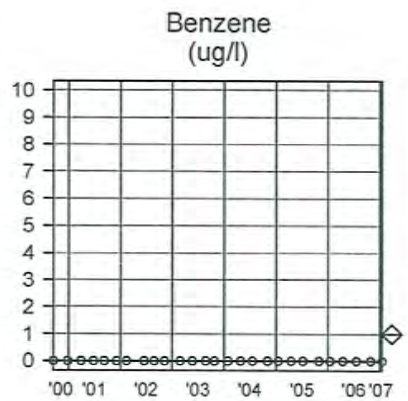
Source 6 of 14

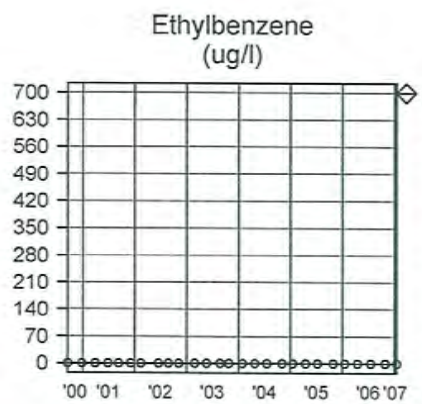
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

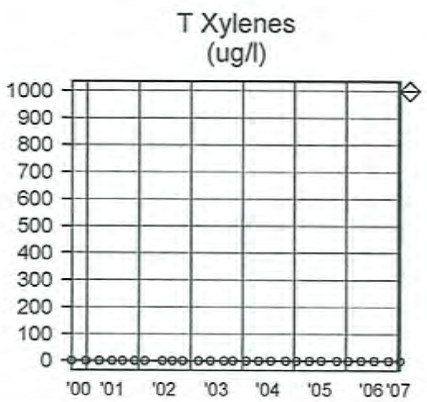


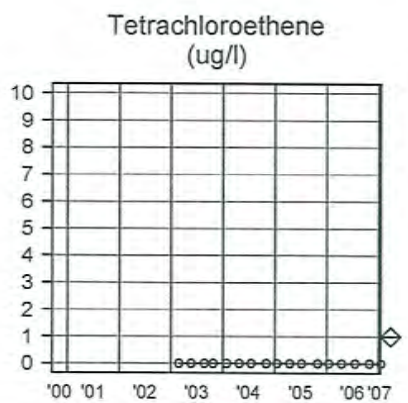


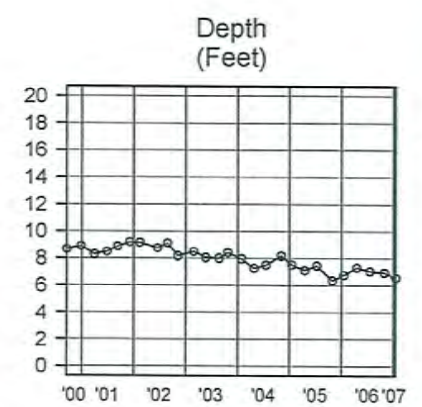












SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 01/11/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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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
NJDEP Cert. # 13461

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT: DERA/Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 812

LABORATORY ID #	MONITOR WELL #	NJDEP WELL ID#	SAMPLE DATE
7015304	812MW01	29-42572	04/30/07
7015305	812MW02	29-42573	04/30/07
7015306	812MW04	29-42575	04/30/07
7015307	812MW05	29-42576	04/30/07
7015308	812MW06	29-42577	04/30/07
7015309	812MW07	29-42578	04/30/07
7015310	812MW08	29-42579	04/30/07
7015311	812MW14	29-42888	04/30/07

5-18-07

Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th Edition
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
Purgeable Organics by GC/MS	624
Base/Neutral and Acid Extractables by GC/MS	625
Pesticide and PCB 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: JOE FALLON
Phone 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No: 70153
Location: 2ND QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
70153 .01	812 TRIP BLANK	4-30-07	10:30	AQ	2	X								
.02	812 FIELD BLANK	4-30-07	10:50	AQ	2	X								
.03	812 DUP.	4-30-07	—	AQ	2	X								
.04	812 MW#01*	4-30-07	15:00	AQ	2	X								29-42572
.05	812 MW#02	4-30-07	15:20	AQ	2	X								29-42573
.06	812 MW#04	4-30-07	15:30	AQ	2	X								29-42575
.07	812 MW#05	4-30-07	11:30	AQ	2	X								29-42576
.08	812 MW#06	4-30-07	11:10	AQ	2	X								29-42577
.09	812 MW#07	4-30-07	11:20	AQ	2	X								29-42578
.10	812 MW#08	4-30-07	11:00	AQ	2	X								29-42579
.11	812 MW#14	4-30-07	14:20	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	4/30/07 15:50	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time (X)Standard 3 wks, ( )Rush _ Days, (_)ASAP Verbal ____Hrs.

Remarks:

000002

print legibly

COC._1.XLS4/3/2007

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.33 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 41.29 ft
(41.29) X 0.65 X 3 = 80.51
GALLONS OF H_2O TO BE PURGED: 81 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: 08:57
pH 7.47 su — TEMP 13.19 °C
DISSOLVED O_2 2.42 mg/L — SPECIFIC CONDUCTIVITY 1397 us/cm

PURGE END TIME: 14:50
pH 6.68 su — TEMP 15.99 °C
DISSOLVED O_2 1.54 mg/L — SPECIFIC CONDUCTIVITY 1391 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.21 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:00
pH 6.78 su — TEMP 15.83 °C
DISSOLVED O_2 1.26 mg/L — SPECIFIC CONDUCTIVITY 1292 us/cm

SAMPLE END TIME: 15:00

COMMENTS: Dup here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4.83 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 43.08 ft
(43.08) X 0.65 X 3 = 84
GALLONS OF H_2O TO BE PURGED: 84 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: 09:08
pH 7.28 su
TEMP 14.08 °C
DISSOLVED O_2 1.65 mg/L
SPECIFIC CONDUCTIVITY 1313 us/cm

PURGE END TIME: 15:14
pH 6.62 su
TEMP 16.66 °C
DISSOLVED O_2 1.56 mg/L
SPECIFIC CONDUCTIVITY 1287 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.94 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 84 gal

SAMPLE START TIME: 15:20
pH 6.92 su
TEMP 16.29 °C
DISSOLVED O_2 1.32 mg/L
SPECIFIC CONDUCTIVITY 1271 us/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4.58 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O TO BE PURGED: 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:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 1.82 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 4.80 ft
(4.80) X 0.65 X 3 = 9.38
GALLONS OF H_2O TO BE PURGED: 10 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 14:37
pH 6.44 su
DISSOLVED O_2 5.62 mg/L
TEMP 13.21 °C
SPECIFIC CONDUCTIVITY 2577 us/cm

PURGE END TIME: 15:22
pH 6.48 su
DISSOLVED O_2 4.61 mg/L
TEMP 14.22 °C
SPECIFIC CONDUCTIVITY 2393 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.88 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 10 gal

SAMPLE START TIME: 15:30
pH 6.52 su
DISSOLVED O_2 3.69 mg/L
TEMP 14.10 °C
SPECIFIC CONDUCTIVITY 2362 us/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.20 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 10.39 ft
(10.39) X 0.65 X 3 = 20.26
GALLONS OF H_2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:37
pH 6.04 su
DISSOLVED O_2 2.20 mg/L
TEMP 12.92 °C
SPECIFIC CONDUCTIVITY 9025 us/cm

PURGE END TIME: 11:08
pH 5.23 su
DISSOLVED O_2 5.90 mg/L
TEMP 13.83 °C
SPECIFIC CONDUCTIVITY 9694 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.79 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 11:30
pH 5.19 su
DISSOLVED O_2 5.74 mg/L
TEMP 13.57 °C
SPECIFIC CONDUCTIVITY 9684 us/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 5.58 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 9.42 ft
(9.42) X 0.65 X 3 = 18.36
GALLONS OF H_2O 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: 09:26
pH 4.64 su
DISSOLVED O_2 6.13 mg/L
TEMP 13.14 °C
SPECIFIC CONDUCTIVITY 4287 us/cm

PURGE END TIME: 10:49
pH 4.30 su
DISSOLVED O_2 6.45 mg/L
TEMP 15.21 °C
SPECIFIC CONDUCTIVITY 4361 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.87 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:00
pH 4.33 su
DISSOLVED O_2 4.67 mg/L
TEMP 14.37 °C
SPECIFIC CONDUCTIVITY 4277 us/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 8.72 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 8.59 ft
(8.59) X 0.65 X 3 = 16.75
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:47
pH 5.81 su
DISSOLVED O_2 2.16 mg/L
TEMP 13.20 °C
SPECIFIC CONDUCTIVITY 9037 us/cm

PURGE END TIME: 11:01
pH 5.04 su
DISSOLVED O_2 2.79 mg/L
TEMP 14.32 °C
SPECIFIC CONDUCTIVITY 9043 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.21 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:20
pH 5.08 su
DISSOLVED O_2 1.78 mg/L
TEMP 14.06 °C
SPECIFIC CONDUCTIVITY 9054 us/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 5.44 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 9.82 ft
(9.82) X 0.65 X 3 = 19.14
GALLONS OF H_2O 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: 09:18
pH 4.64 su
DISSOLVED O_2 2.37 mg/L
TEMP 13.88 °C
SPECIFIC CONDUCTIVITY 6405 us/cm

PURGE END TIME: 10:45
pH 4.70 su
DISSOLVED O_2 2.21 mg/L
TEMP 14.88 °C
SPECIFIC CONDUCTIVITY 4751 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.47 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:00
pH 4.38 su
DISSOLVED O_2 1.35 mg/L
TEMP 14.70 °C
SPECIFIC CONDUCTIVITY 4517 us/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 4.72 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O TO BE PURGED: 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:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 5.71 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O TO BE PURGED: 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:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L
SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 3.86 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O TO BE PURGED: 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:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 2.72 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O TO BE PURGED: 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:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su
TEMP °C
DISSOLVED O_2 mg/L
SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L
SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 7.31 ft
DEPTH OF WELL: ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: ft
() X 0.65 X 3 =
GALLONS OF H_2O TO BE PURGED: 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:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/30/07
WEATHER: Partly Sunny, 55°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.28 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 8.37 ft
(8.37) X 0.65 X 3 = 16.32
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 13:05
pH 5.17 su — TEMP 14.04 °C
DISSOLVED O_2 8.04 mg/L — SPECIFIC CONDUCTIVITY 5610 us/cm

PURGE END TIME: 14:19
pH 5.92 su — TEMP 14.26 °C
DISSOLVED O_2 5.18 mg/L — SPECIFIC CONDUCTIVITY 6397 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.68 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 14:20
pH 5.97 su — TEMP 13.72 °C
DISSOLVED O_2 4.39 mg/L — SPECIFIC CONDUCTIVITY 6248 us/cm

SAMPLE END TIME: 14:20

COMMENTS:

VOLATILE ORGANICS

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025320.D	Sample Name	MB 10 MAY 2007
Operator	VBP	Field ID	
Date Acquired	10 May 2007 10:50 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 10 MAY 2007**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: MB 10 MAY 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025320.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. _____ Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025321.D	Sample Name	7015301
Operator	VBP	Field ID	812 TRIP BLANK
Date Acquired	10 May 2007 11:32 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 TRIP BLANK**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025321.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025322.D	Sample Name	7015302
Operator	VBP	Field ID	812 FIELD BLANK
Date Acquired	10 May 2007 12:15 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 FIELD BLANK**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025322.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025323.D	Sample Name	7015303
Operator	VBP	Field ID	812 DUP
Date Acquired	10 May 2007 12:58 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025323.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.31	6	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025324.D	Sample Name	7015304
Operator	VBP	Field ID	812 MW#01
Date Acquired	10 May 2007 1:40 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025324.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.32	6	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025325.D	Sample Name	7015305
Operator	VBP	Field ID	812 MW#02
Date Acquired	10 May 2007 2:22 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025325.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. _____ Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.30	6	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025326.D	Sample Name	7015306
Operator	VBP	Field ID	812 MW#04
Date Acquired	10 May 2007 3:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025326.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.31	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025327.D	Sample Name	7015307
Operator	VBP	Field ID	812 MW#05
Date Acquired	10 May 2007 3:47 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.90	138063	3.51 ug/L	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	14.16	137970	1.84 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane	17.06	7220	3.03 ug/L	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025327.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. _____ Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.32	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025328.D	Sample Name	7015308
Operator	VBP	Field ID	812 MW#06
Date Acquired	10 May 2007 4:30 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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5/16/2007 10:53 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025328.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.32	3	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025329.D	Sample Name	7015309
Operator	VBP	Field ID	812 MW#07
Date Acquired	10 May 2007 5:12 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025329.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.32	4	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025330.D	Sample Name	7015310
Operator	VBP	Field ID	812 MW#08
Date Acquired	10 May 2007 5:54 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

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*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#08**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025330.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. _____ Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.33	3	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB025331.D	Sample Name	7015311
Operator	VBP	Field ID	812 MW#14
Date Acquired	10 May 2007 6:36 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
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74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
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108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
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541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
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95-50-1	1,2-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	

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R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: 70153 Case No.: MW Location: Bldg. 8 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7015311

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025331.D

Level: (low/med) LOW Date Received: 4/30/2007

% Moisture: not dec. Date Analyzed: 5/10/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.33	3	JN

LTM

	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND			8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/30/2007

NOTES:

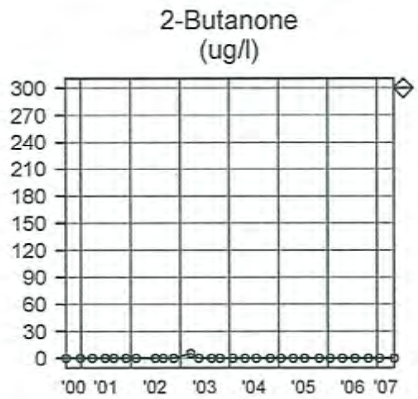
New Ground Water Quality Criteria as per 11/07/05

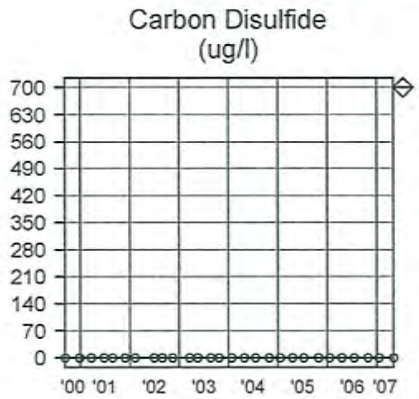
FORT MONMOUTH

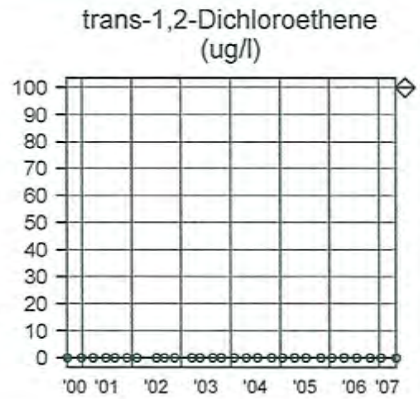
GW MONITORING
M-8 Bldg 697

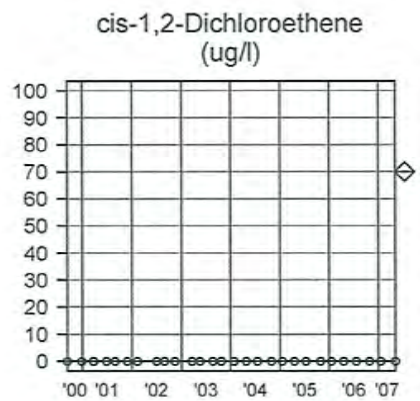
Source 12 of 14

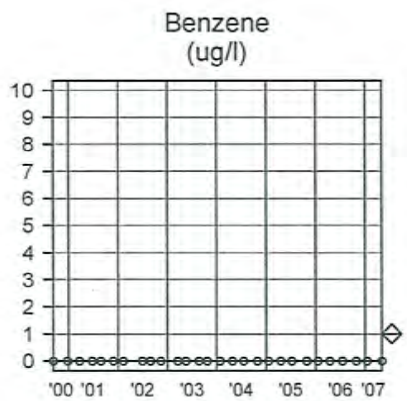
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

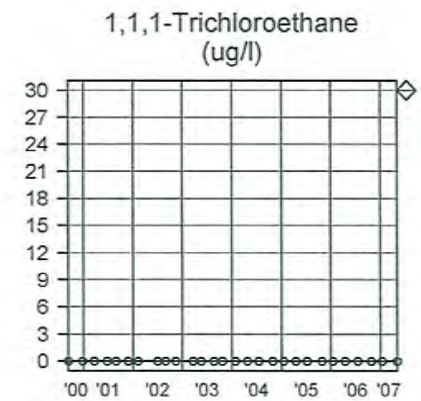


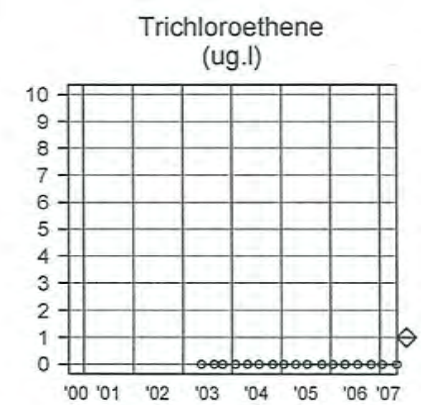


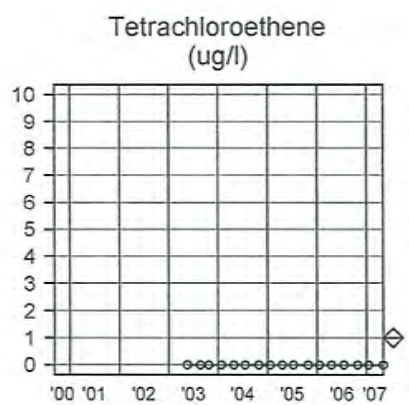


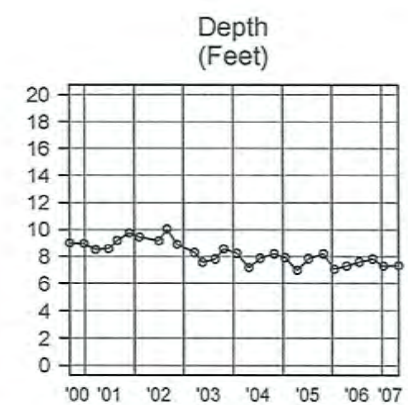












SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000044

	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/09/2000	FMETL	ND	4.27	ND	ND	ND	ND			6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND			5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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000045

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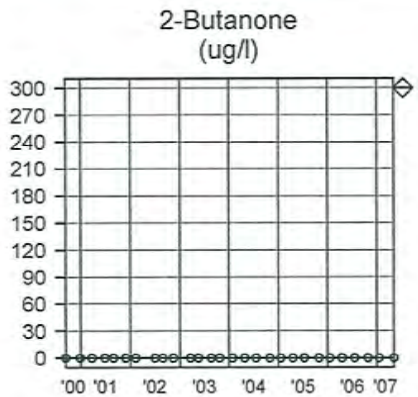

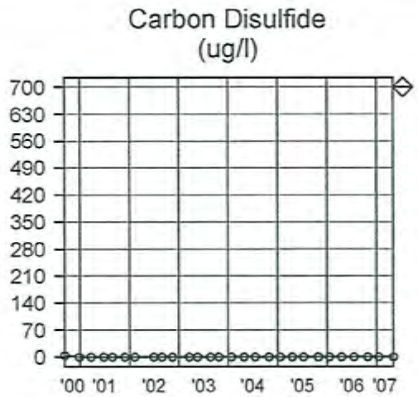

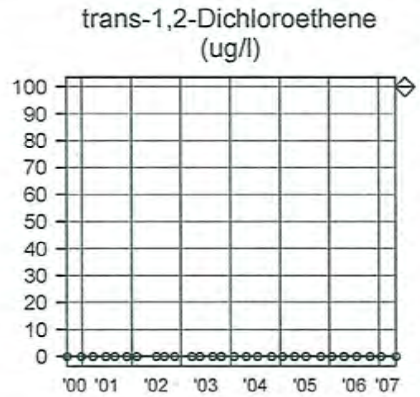

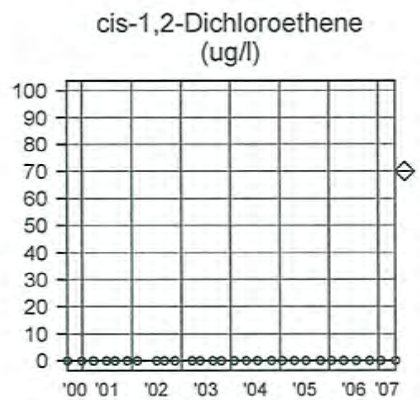

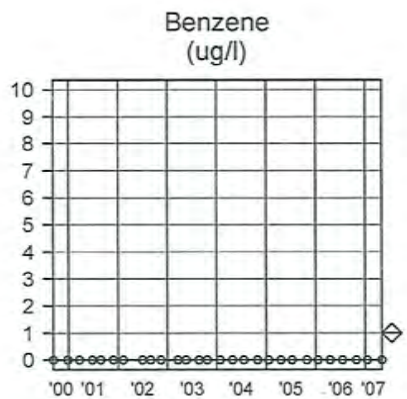

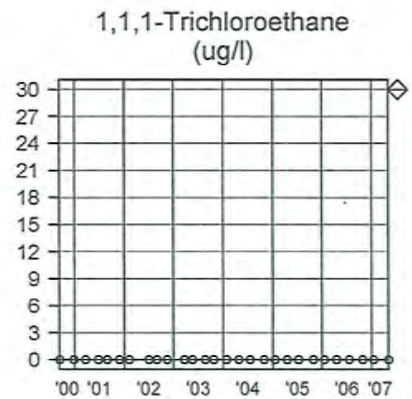

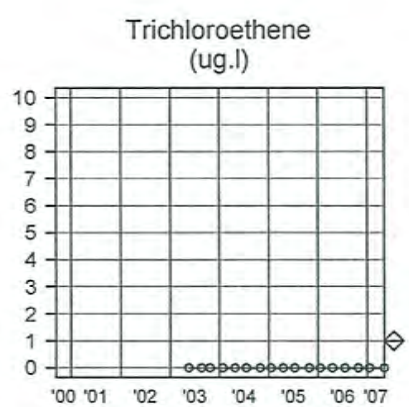

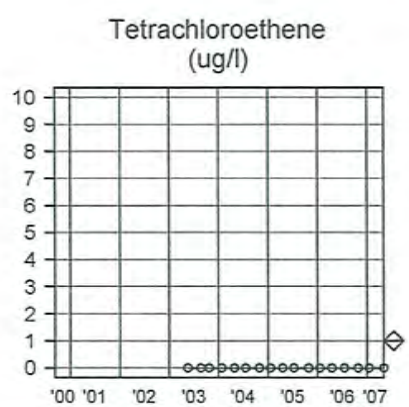

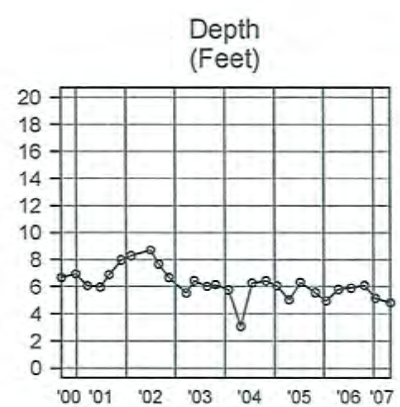

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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000046

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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M-8 Bldg 697

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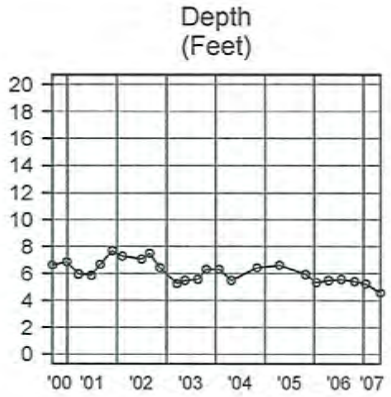

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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FORT MONMOUTH
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	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	326.30	5669.25	6.58	ND			4.76	V,S,P,M
12/27/2000	FMETL	ND	ND	99.81	406.83	4.17	ND			4.54	V,S,P,M
03/23/2001	FMETL	6.51	ND	22.64	316.55	ND	ND			3.89	V,S,P,M
06/22/2001	FMETL	ND	ND	13.88	56.72	ND	ND			5.45	V,S,P,M
09/07/2001	FMETL	ND	ND	101.33	196.94	ND	ND			4.97	V,S,P,M
12/03/2001	FMETL	ND	ND	60.82	125.92	3.51	ND			5.09	V,S,P,M
02/08/2002	FMETL	ND	12.65	159.6	864.87	5.87	ND			4.10	V,S,P,M
06/13/2002	FMETL	ND	26.65	166.9	509.66	8.04	ND			4.10	V,S,P,M
08/23/2002	FMETL	ND	10.71	54.95	40.90	5.43	ND			4.23	V,S,P,M
11/07/2002	FMETL	95.28	ND	1.21	7.76	ND	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	ND	13.59	178.9	1.41	ND	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	ND	ND	6.84	ND	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	5.09	6.38	37.35	ND	ND	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	ND	ND	4.58	0.58	ND	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	ND	2.55	ND	3.28	ND	ND	ND	4.49	V
01/12/2005	FMETL	74.88	ND	1.54	1.19	0.46	ND	ND	ND	0.08	V
04/12/2005	FMETL	182.21	ND	1.03	ND	1.98	ND	ND	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	ND	1.54	0.51	1.77	ND	ND	ND	0.64	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.42	V
04/12/2006	FMETL	ND	ND	0.75	0.30	1.50	ND	ND	ND	3.75	V
07/14/2006	FMETL	ND	ND	ND	1.22	ND	ND	ND	ND	3.33	V
10/25/2006	FMETL	ND	ND	0.75	0.39	0.92	ND	ND	ND	3.02	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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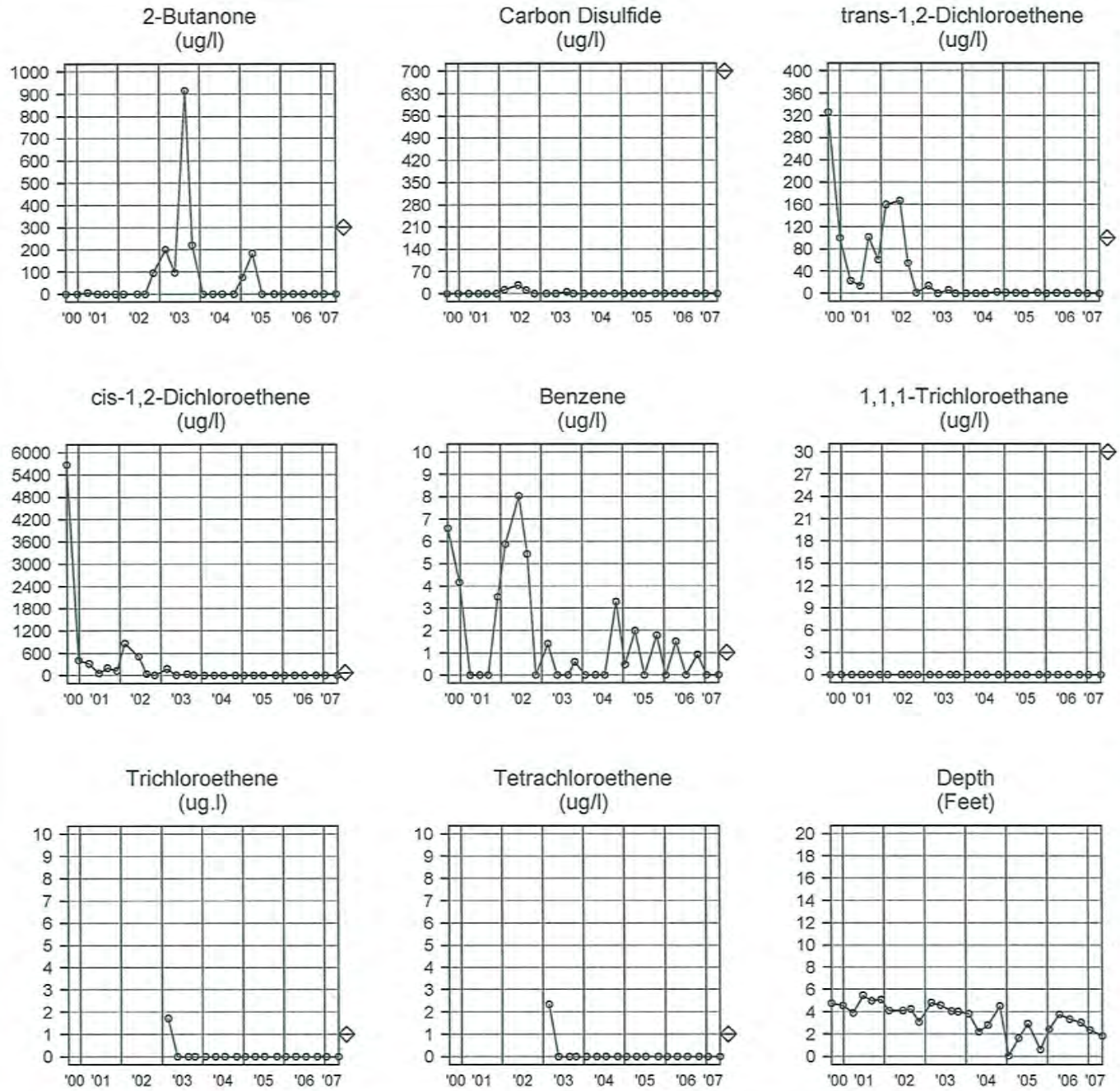

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
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SELFM-PW-EV

05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000050

	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	13.04			9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	1.58			10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	5.77			8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	4.62			8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	10.94			9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	2.06			11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	2.27			10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	5.66			10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	5.83			11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	29.36			9.85	V,S,P,M
03/07/2003	FMETL	5.90	4.93	ND	ND	ND	14.49	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	8.16	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	16.8	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	9.47	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	17.26	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	5.69	ND	ND	ND	32.95	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	38.23	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	11.17	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	32.14	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	48.92	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	1.02	ND	ND	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	0.25	ND	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	3.03	ND	ND	7.20	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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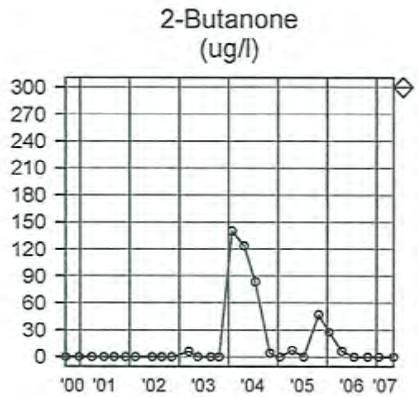

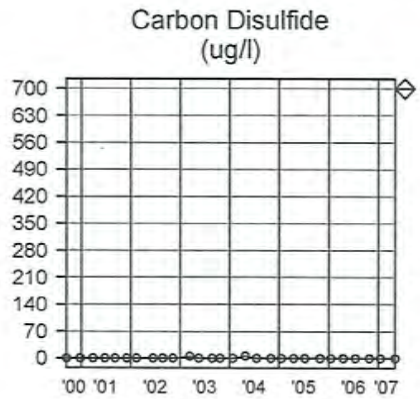

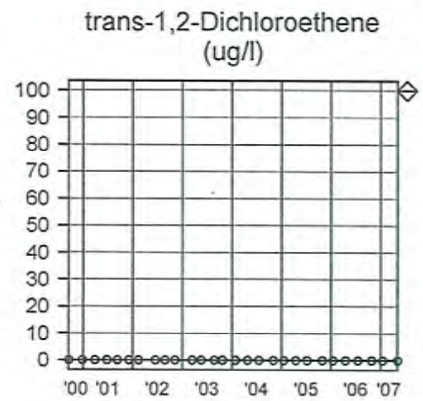

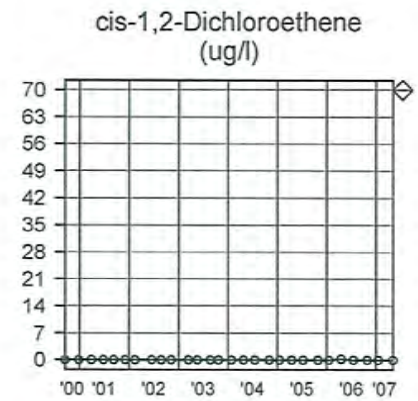

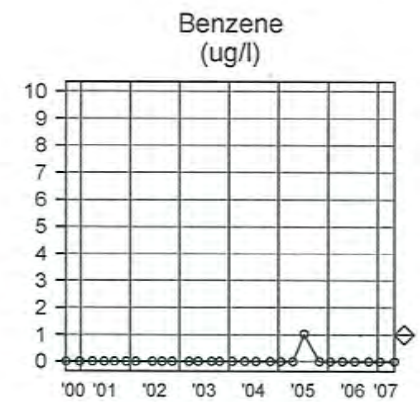

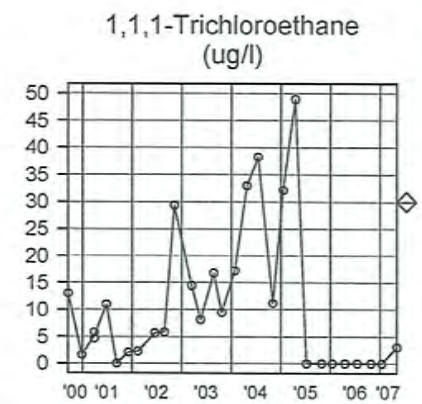

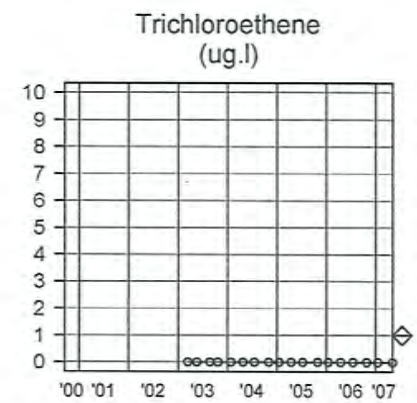

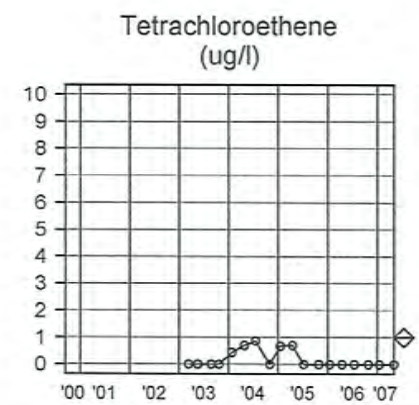

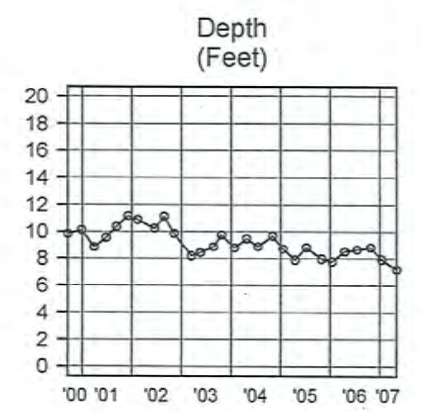

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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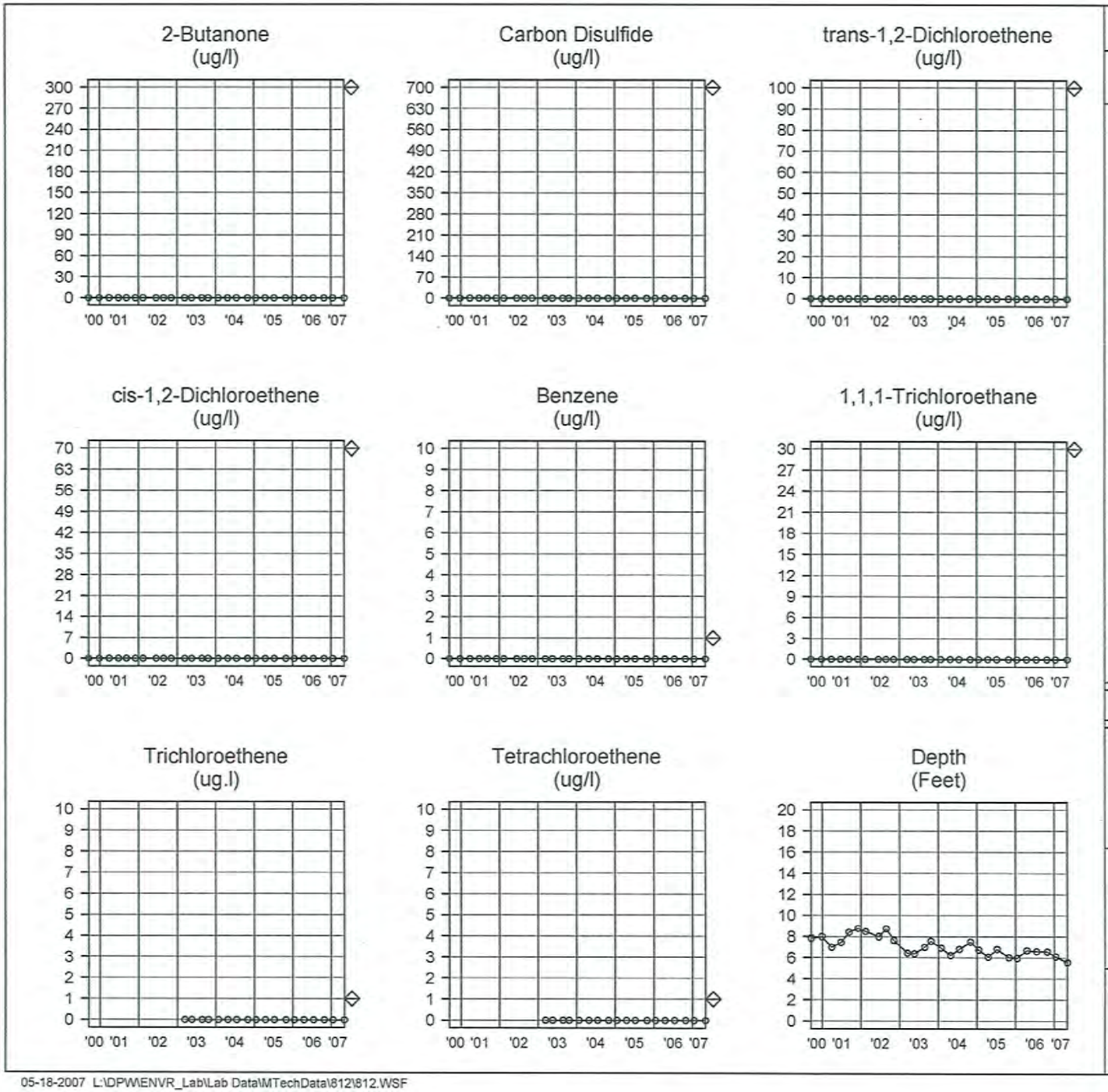

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/30/2007

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NJDEP Criteria

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FORT MONMOUTH
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	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	11.29			11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	2.91			11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	4.49			10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	3.24			10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			11.33	V,S,P,M
12/03/2001	FMETL	ND	5.85	ND	ND	ND	ND			11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	18.81			11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	11.38			11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	5.26			10.83	V,S,P,M
03/07/2003	FMETL	6.21	8.27	ND	ND	ND	12.84	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	17.95	ND	ND	ND	2.37	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	15.54	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	1.44	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	1.12	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	0.91	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	0.64	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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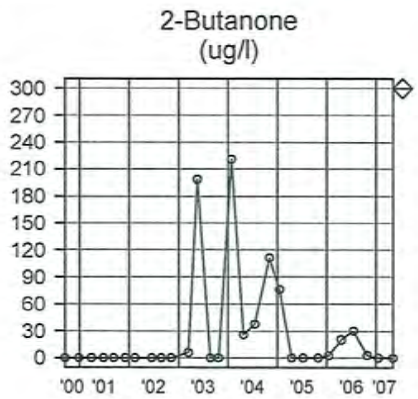

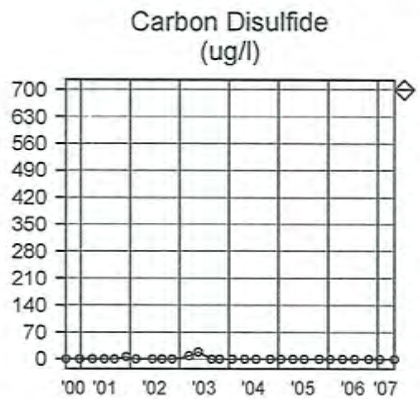

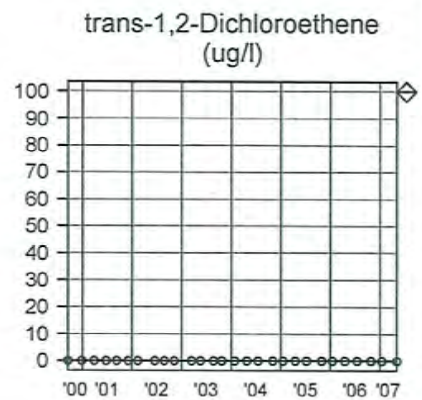

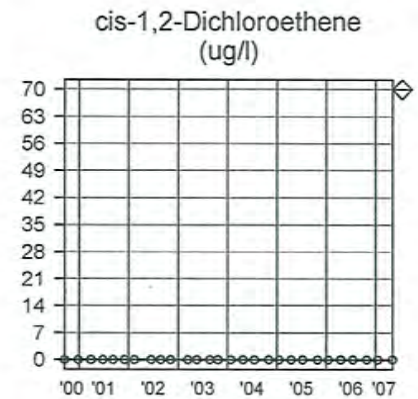

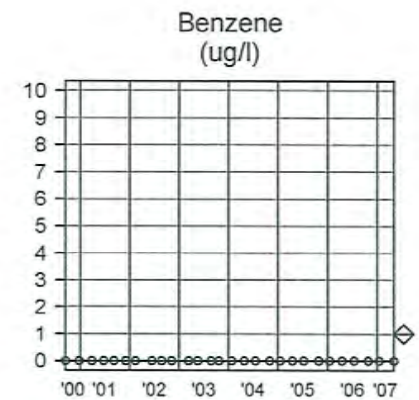

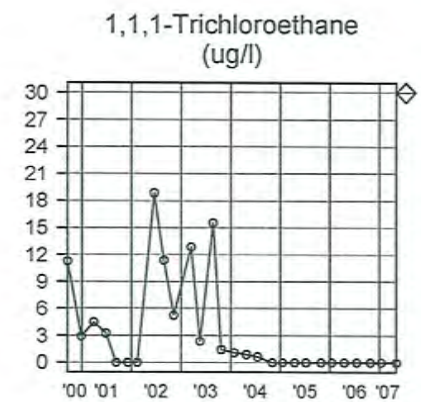

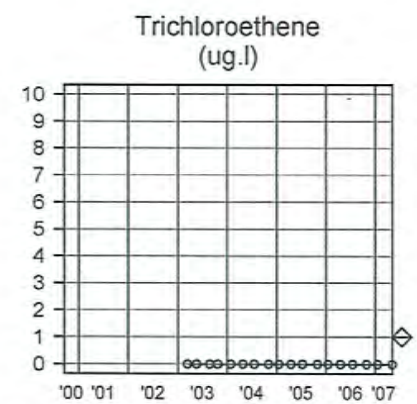

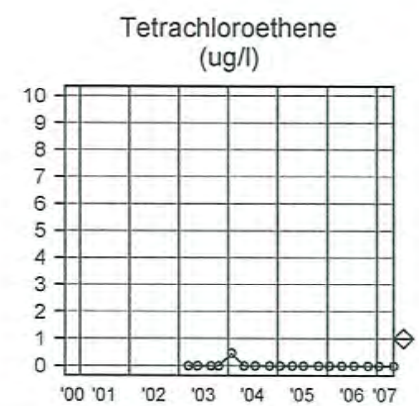

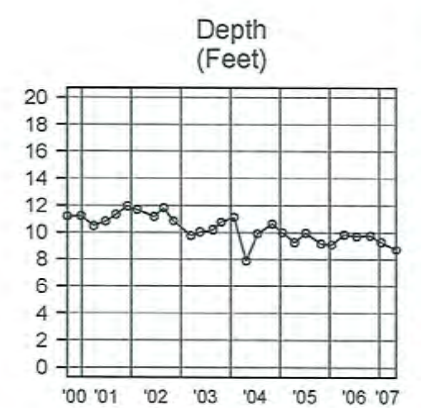

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	3.06	ND	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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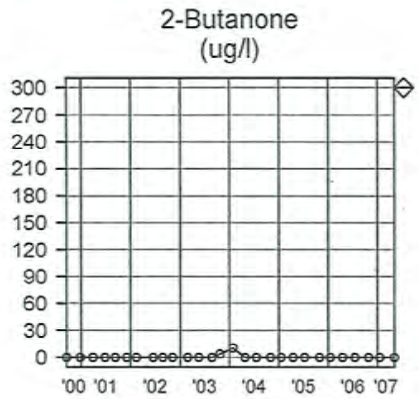

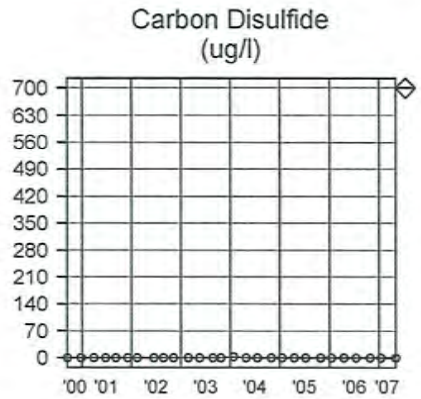

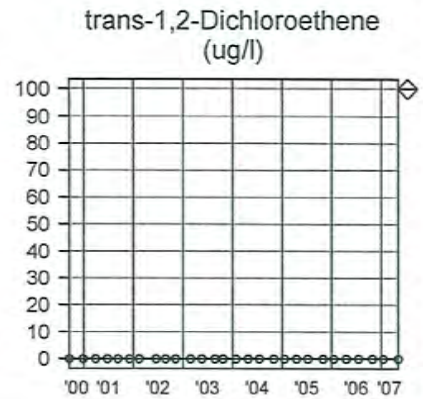

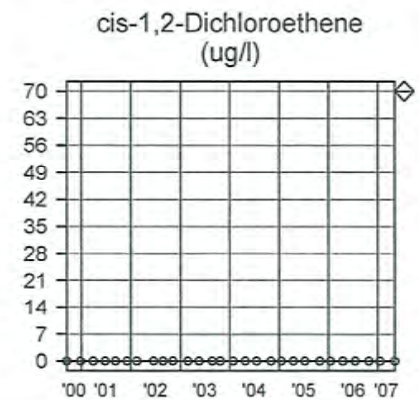

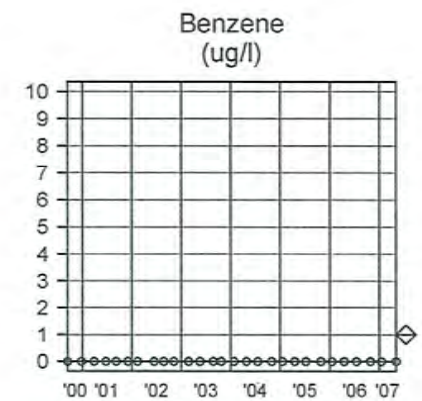

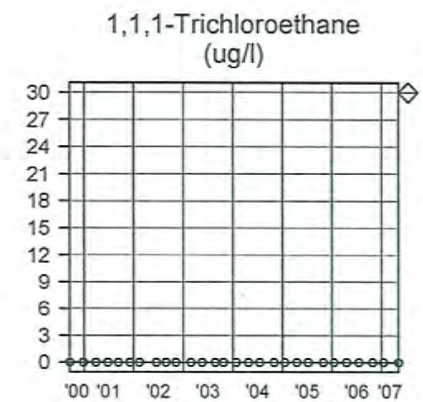

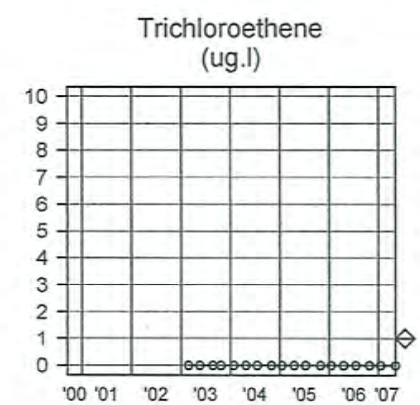

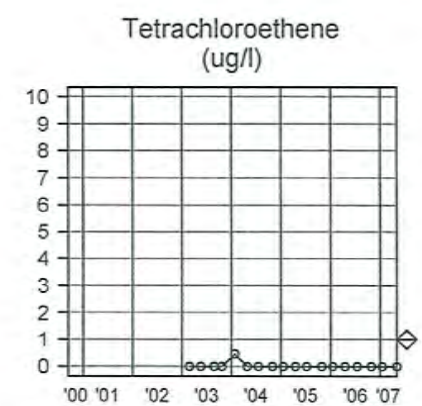

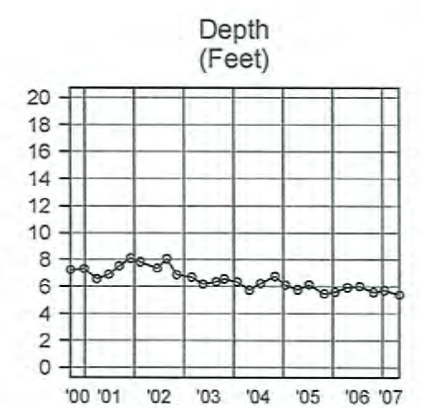

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/30/2007

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NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

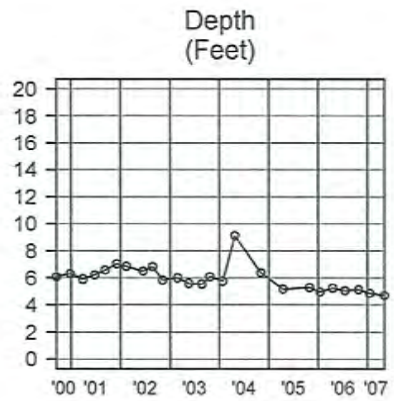
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

090000

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

U.S.ARMY
FORT MONMOUTH
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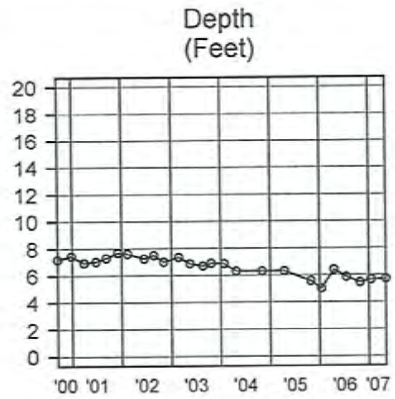
000061



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Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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000062

05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
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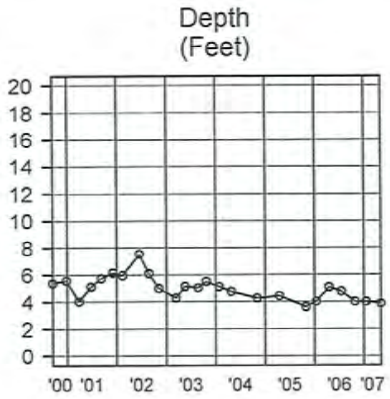
05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000063



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000064

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

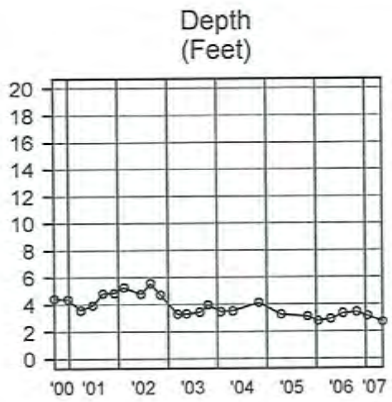
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

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FORT MONMOUTH
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000066

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
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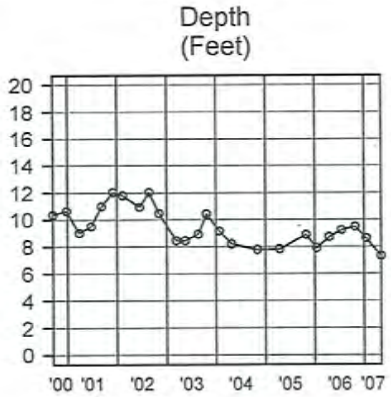
000067



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Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

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FORT MONMOUTH
SELFM-PW-EV

05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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	Lab	2-But anone	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	700	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND			8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.28	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

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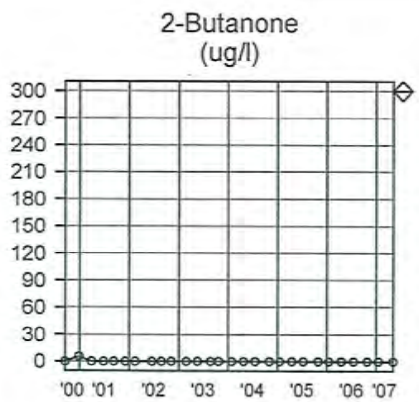

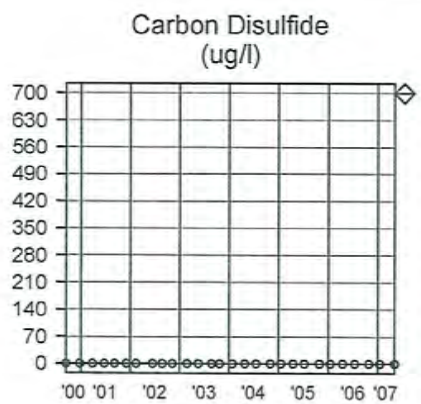

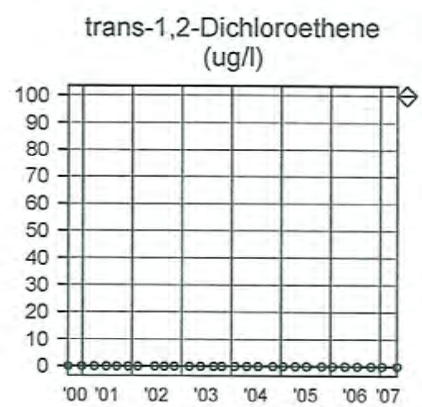

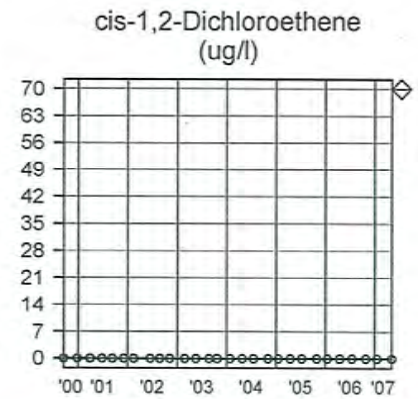

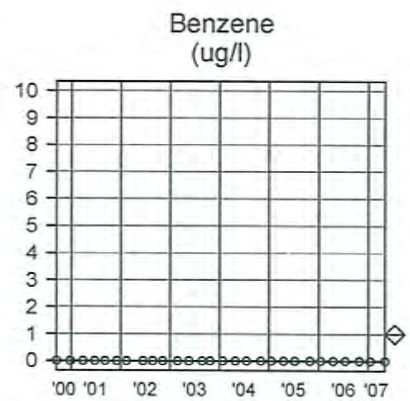

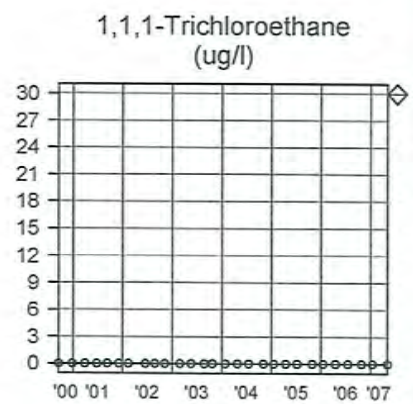

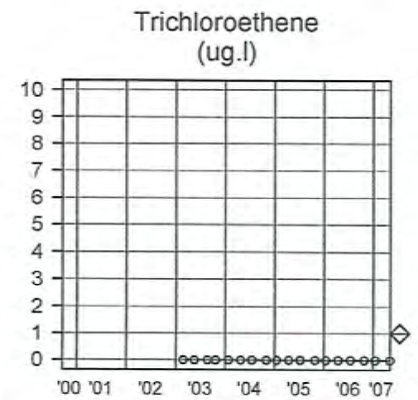

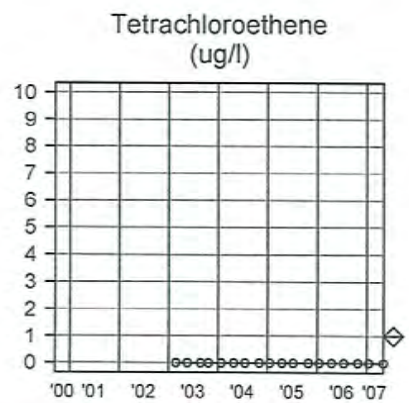

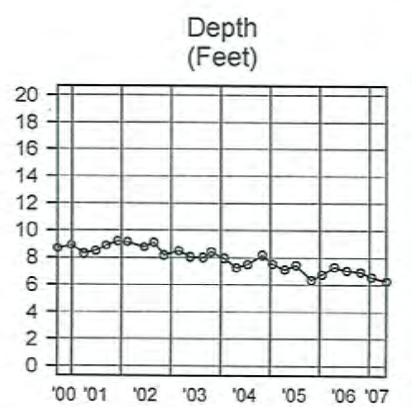

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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05-18-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
7027704	0812MW01	29-42572	07/24/07
7027705	0812MW02	29-42573	07/24/07
Not Sampled	0812MW03	29-42574	----------
7027706	0812MW04	29-42575	07/24/07
7027707	0812MW05	29-42576	07/24/07
7027708	0812MW06	29-42577	07/24/07
7027709	0812MW07	29-42578	07/24/07
7027710	0812MW08	29-42579	07/24/07
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
7027711	0812MW14	29-42888	07/24/07

NJDEP Laboratory Certification # 13461

8-9-07

Daniel Wright/Date:
Laboratory Director

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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

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: JOE FALLON
Phone 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No: 70277
Location: 3RD QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
70277 .01	812 TRIP BLANK	7-24-07	10:30	AQ	2	X								
.02	812 FIELD BLANK	7-24-07	11:10	AQ	2	X								
.03	812 DUP.	7-24-07	—	AQ	2	X								
.04	812 MW#01	7-24-07	15:30	AQ	2	X								29-42572
.05	812 MW#02	7-24-07	15:50	AQ	2	X								29-42573
.06	812 MW#04	7-24-07	14:30	AQ	2	X								29-42575
.07	812 MW#05	7-24-07	14:40	AQ	2	X								29-42576
.08	812 MW#06	7-24-07	11:30	AQ	2	X								29-42577
.09	812 MW#07	7-24-07	14:20	AQ	2	X								29-42578
.10	812 MW#08*	7-24-07	11:20	AQ	2	X								29-42579
.11	812 MW#14	7-24-07	14:50	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	7/24/07 16:15	Walter Funk			
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:

000002

print legibly

COC._1.XLS7/5/2007

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.39 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.23 ft
(41.23) X .65 X 3 =80.39
GALLONS OF H_2O TO BE PURGED: 81 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:34
pH 7.25 su — TEMP 18.96 °C
DISSOLVED O_2 2.73 mg/L — SPECIFIC CONDUCTIVITY 2804.0 µs/cm

PURGE END TIME: 15:26
pH 7.10 su — TEMP 17.42 °C
DISSOLVED O_2 0.41 mg/L — SPECIFIC CONDUCTIVITY 3741.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:30
pH 7.33 su — TEMP 16.42 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 2719.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.59 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.32 ft
(42.32) X .65 X 3 = 82.52
GALLONS OF H_2O TO BE PURGED: 83 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:45
pH 7.50 su — TEMP 21.96 °C
DISSOLVED O_2 0.56 mg/L — SPECIFIC CONDUCTIVITY 2559.0 µs/cm

PURGE END TIME: 15:46
pH 7.38 su — TEMP 18.08 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 2756.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.95 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 83 gal

SAMPLE START TIME: 15:50
pH 7.43 su — TEMP 17.54 °C
DISSOLVED O_2 0.04 mg/L — SPECIFIC CONDUCTIVITY 2589.0 µs/cm

SAMPLE END TIME: 15:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.56 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 1.53 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 5.09 ft
(5.09) X .65 X 3 = 9.92
GALLONS OF H_2O TO BE PURGED: 10 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:39
pH 6.43 su — TEMP 23.80 °C
DISSOLVED O_2 0.45 mg/L — SPECIFIC CONDUCTIVITY 3970.0 µs/cm

PURGE END TIME: 14:22
pH 6.49 su — TEMP 25.11 °C
DISSOLVED O_2 0.54 mg/L — SPECIFIC CONDUCTIVITY 2545.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.09 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 10 gal

SAMPLE START TIME: 14:30
pH 6.54 su — TEMP 24.70 °C
DISSOLVED O_2 0.70 mg/L — SPECIFIC CONDUCTIVITY 3327.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.69 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.90 ft
(8.90) X .65 X 3 =17.35
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:06
pH 4.48 su
DISSOLVED O_2 0.07 mg/L
TEMP 18.25 °C
PECIFIC CONDUCTIVITY 2080.0 µs/cm

PURGE END TIME: 17:24
pH 4.62 su
DISSOLVED O_2 0.41 mg/L
TEMP 17.17 °C
SPECIFIC CONDUCTIVITY 2113.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:40
pH 4.55 su
DISSOLVED O_2 0.36 mg/L
TEMP 17.02 °C
SPECIFIC CONDUCTIVITY 2183.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.56 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.44 ft
(8.44) X .65 X 3 =16.45
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC.
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:04
pH 4.21 su
DISSOLVED O_2 1.41 mg/L
TEMP 19.43 °C
PECIFIC CONDUCTIVITY 8045.0 µs/cm

PURGE END TIME: 11:18
pH 4.14 su
DISSOLVED O_2 1.32 mg/L
TEMP 20.06 °C
SPECIFIC CONDUCTIVITY 8809.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.79 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:30
pH 4.14 su
DISSOLVED O_2 1.09 mg/L
TEMP 19.52 °C
SPECIFIC CONDUCTIVITY 8787.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.73 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.58 ft
(7.58) X .65 X 3 =14.78
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:15
pH 5.33 su — TEMP 20.11 °C
DISSOLVED O_2 0.08 mg/L — SPECIFIC CONDUCTIVITY 2094.0 µs/cm

PURGE END TIME: 14:20
pH 5.38 su — TEMP 19.69 °C
DISSOLVED O_2 0.25 mg/L — SPECIFIC CONDUCTIVITY 1682.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.14 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:20
pH 5.28 su — TEMP 18.88 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 1739.0 µs/cm

SAMPLE END TIME: 14:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.76 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.50 ft
(9.50) X .65 X 3 =18.52
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:55
pH 4.15 su — TEMP 21.80 °C
DISSOLVED O_2 0.31 mg/L — SPECIFIC CONDUCTIVITY 9917.0 µs/cm

PURGE END TIME: 11:18
pH 4.05 su — TEMP 20.41 °C
DISSOLVED O_2 0.53 mg/L — SPECIFIC CONDUCTIVITY 8052.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.51 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:20
pH 4.03 su — TEMP 19.62 °C
DISSOLVED O_2 0.37 mg/L — SPECIFIC CONDUCTIVITY 7720.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.04 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.90 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DN^.PLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.02 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.07 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.35 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/24/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.86 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.79 ft
(7.79) X .65 X 3 =15.19
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:24
pH 5.84 su — TEMP 24.82 °C
DISSOLVED O_2 0.46 mg/L — SPECIFIC CONDUCTIVITY 1587.0 µs/cm

PURGE END TIME: 14:34
pH 5.82 su — TEMP 20.96 °C
DISSOLVED O_2 0.34 mg/L — SPECIFIC CONDUCTIVITY 1583.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.59 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:40
pH 5.82 su — TEMP 20.67 °C
DISSOLVED O_2 0.22 mg/L — SPECIFIC CONDUCTIVITY 1544.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS:

VOLATIILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013551.D	Sample Name	MB 01 AUG 2007
Operator	VBP	Field ID	
Date Acquired	1 Aug 2007 9:26 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

MB 01 AUG 2007

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: MB 01 AUG 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013551.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013560.D	Sample Name	7027701
Operator	VBP	Field ID	812 TRIP BLANK
Date Acquired	1 Aug 2007 3:06 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 TRIP BLANK

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013560.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013561.D	Sample Name	7027702
Operator	VBP	Field ID	812 FIELD BLANK
Date Acquired	1 Aug 2007 3:43 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 FIELD BLANK

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013561.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013562.D	Sample Name	7027703
Operator	VBP	Field ID	812 DUP
Date Acquired	1 Aug 2007 4:19 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 DUP

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013562.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013563.D	Sample Name	7027704
Operator	VBP	Field ID	812 MW#01
Date Acquired	1 Aug 2007 4:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#01

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013563.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013564.D	Sample Name	7027705
Operator	VBP	Field ID	812 MW#02
Date Acquired	1 Aug 2007 5:32 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#02

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013564.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013565.D	Sample Name	7027706
Operator	VBP	Field ID	812 MW#04
Date Acquired	1 Aug 2007 6:09 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#04

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013565.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013566.D	Sample Name	7027707
Operator	VBP	Field ID	812 MW#05
Date Acquired	1 Aug 2007 6:45 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane	5.95	29610	11.98 ug/L	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	9.31	43734	9.94 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#05

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013566.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013552.D	Sample Name	7027708
Operator	VBP	Field ID	812 MW#06
Date Acquired	1 Aug 2007 10:14 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#06

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013552.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013553.D	Sample Name	7027709
Operator	VBP	Field ID	812 MW#07
Date Acquired	1 Aug 2007 10:51 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane	5.94	5559	2.28 ug/L	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	9.31	5240	1.21 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#07

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013553.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013554.D	Sample Name	7027710
Operator	VBP	Field ID	812 MW#08
Date Acquired	1 Aug 2007 11:28 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#08

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013554.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VC013559.D	Sample Name	7027711
Operator	VBP	Field ID	812 MW#14
Date Acquired	1 Aug 2007 2:30 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	5	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	nle	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	100	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	4	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	600	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	75	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	600	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

812 MW#14

Lab Name: FMETL NJDEP # 13461

Project: 70277 Case No.: MW Location: 812 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7027711

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013559.D

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Analyzed: 8/1/2007

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 NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND			8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.39	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

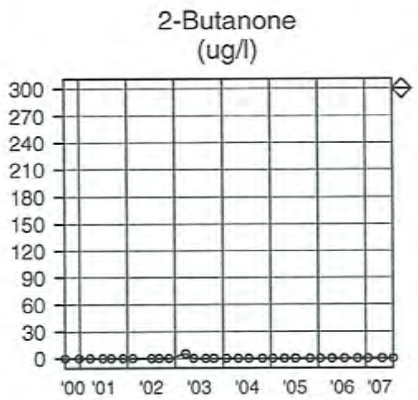
GW MONITORING
M-8 Bldg 697

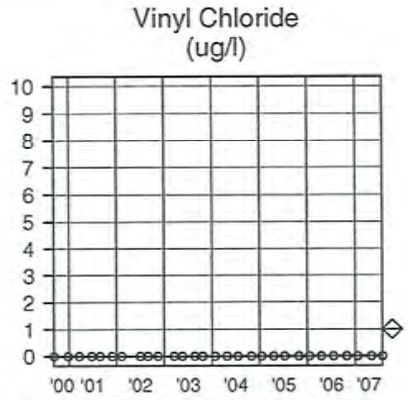
Source 12 of 14

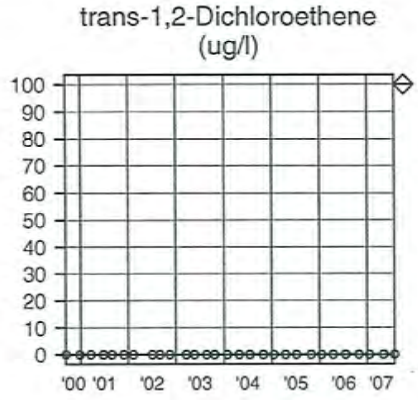
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

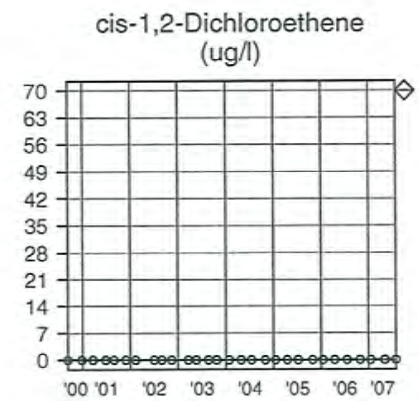
000044

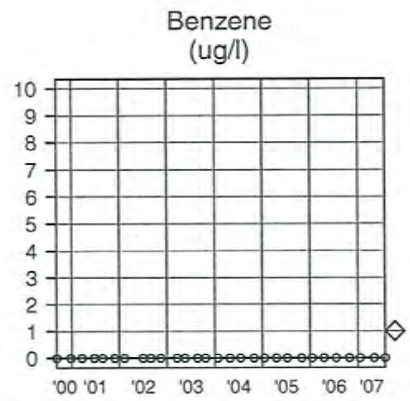
08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

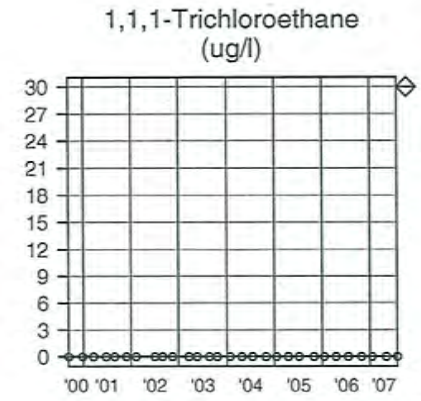


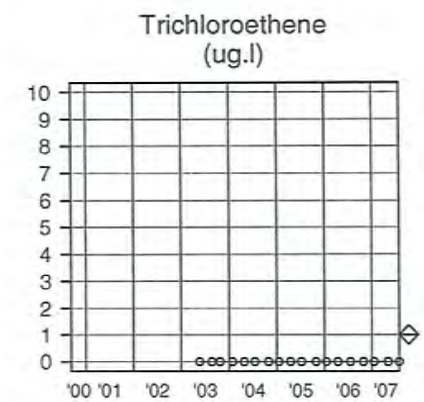


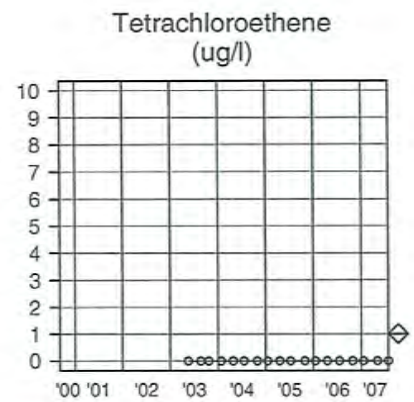


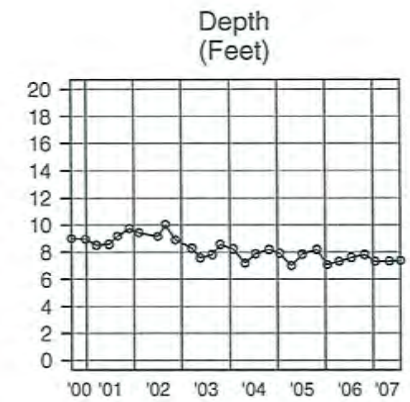












SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000045

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND			5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14

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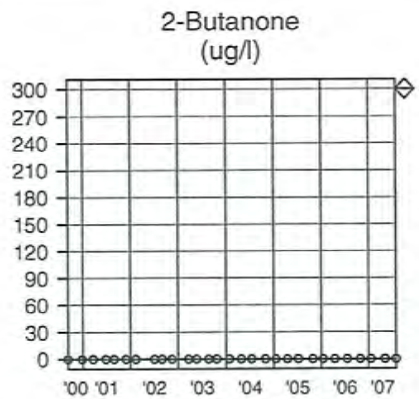
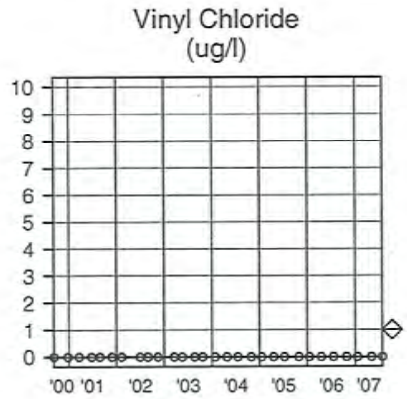
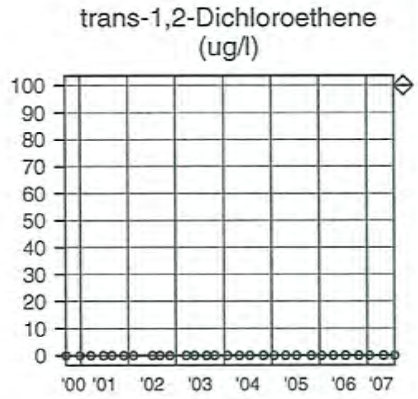
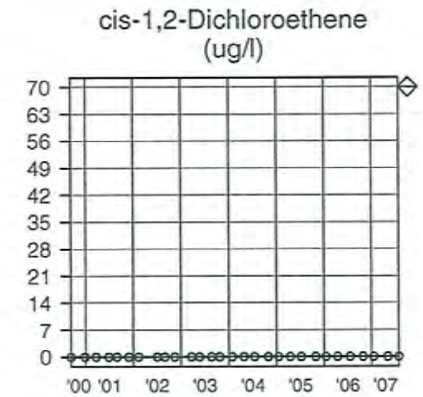
FORT MONMOUTH
SELFM-PW-EV

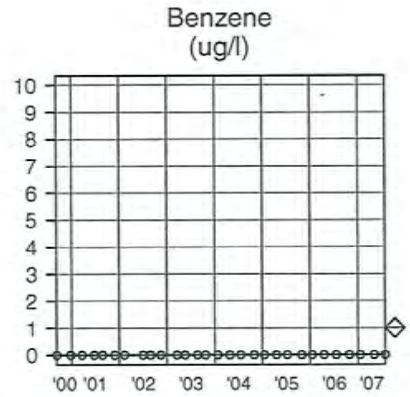
000046

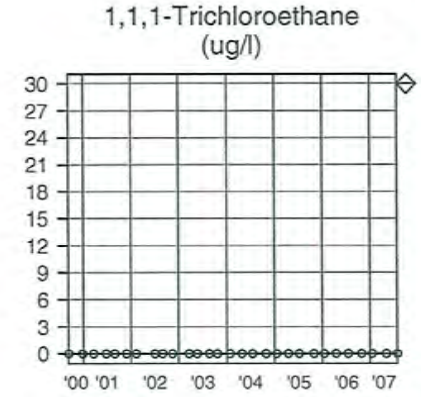


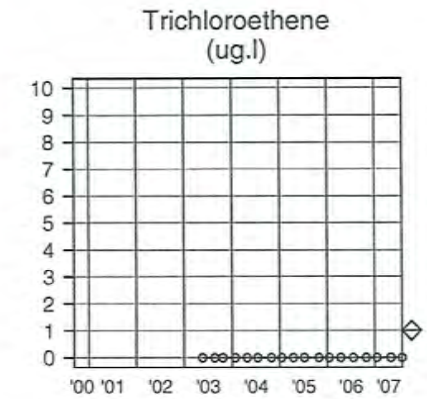


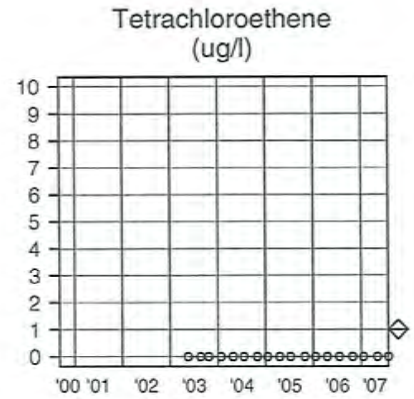


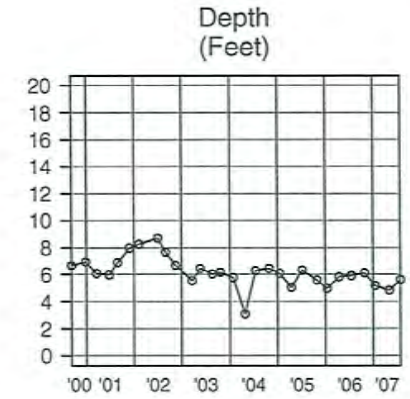












SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000047

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS
07/24/2007	FMETL	5.56									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 07/24/2007

NOTES:

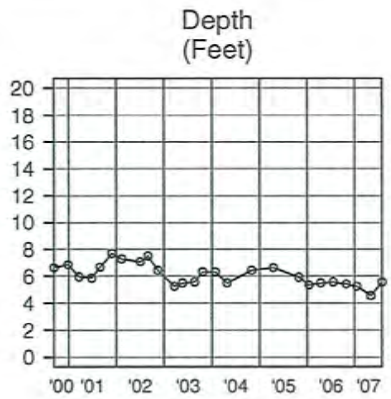
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000049

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	4793.33	326.30	5669.25	6.58	ND			4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	99.81	406.83	4.17	ND			4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	22.64	316.55	ND	ND			3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	13.88	56.72	ND	ND			5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	101.33	196.94	6.75	ND			4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	60.82	125.92	3.51	ND			5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	159.6	864.87	5.87	ND			4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	166.9	509.66	8.04	ND			4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	54.95	40.90	5.43	ND			4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	1.21	7.76	ND	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	13.59	178.9	1.41	ND	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	6.84	ND	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	321.42	6.38	37.35	ND	ND	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	4.58	0.58	ND	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	ND	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	2.55	ND	3.28	ND	ND	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	1.54	1.19	0.46	ND	ND	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	1.03	ND	1.98	ND	ND	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	1.54	0.51	1.77	ND	ND	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	ND	ND	2.42	V
04/12/2006	FMETL	ND	ND	0.75	0.30	1.50	ND	ND	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	1.22	ND	ND	ND	ND	3.33	V
10/25/2006	FMETL	ND	17.17	0.75	0.39	0.92	ND	ND	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	ND	ND	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.53	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
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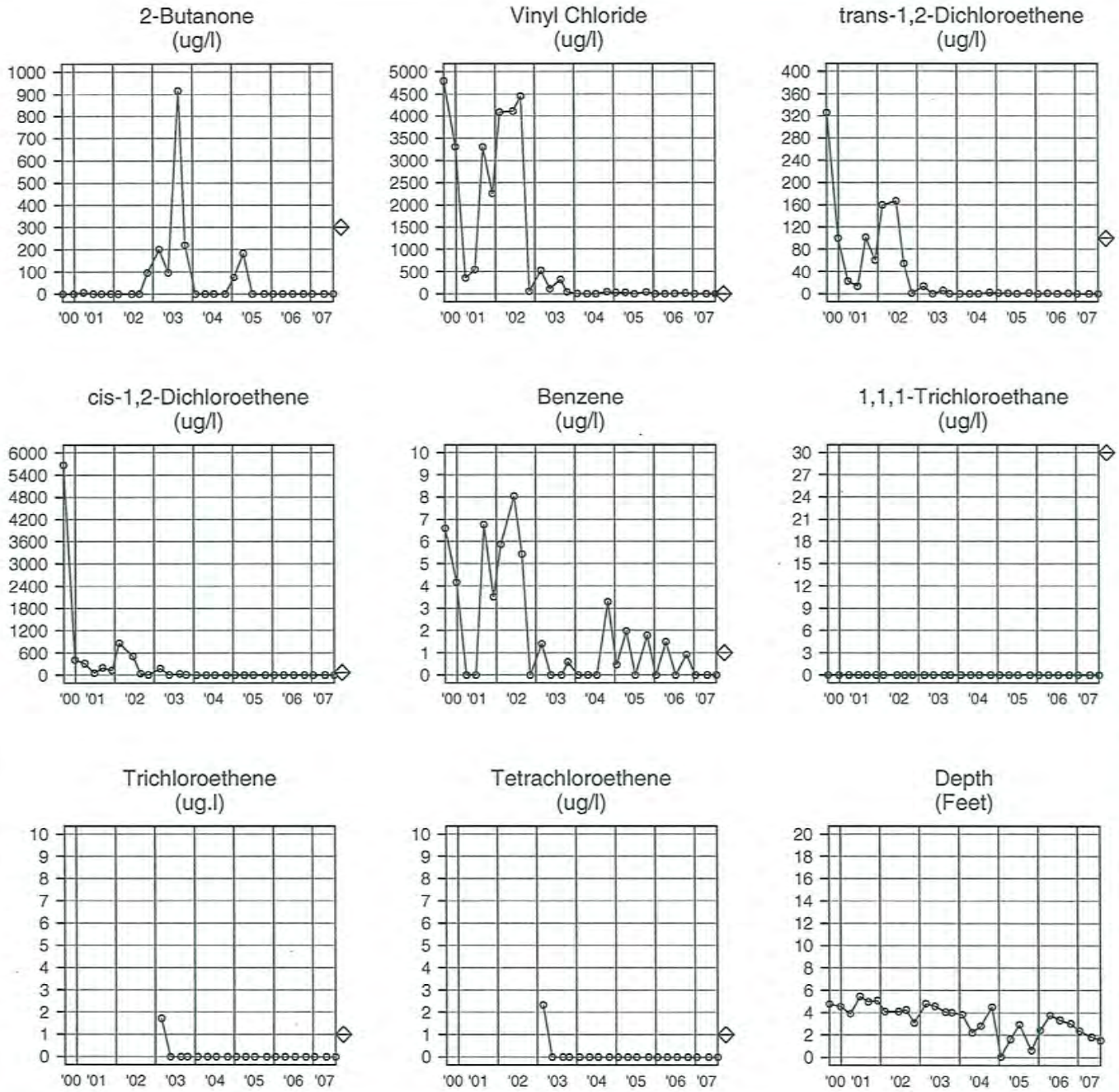

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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000051

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	13.04			9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	1.58			10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	5.77			8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	4.62			8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	10.94			9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	2.06			11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	2.27			10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	5.66			10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	5.83			11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	29.36			9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	ND	ND	ND	14.49	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	8.16	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	16.8	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	9.47	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	17.26	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	ND	ND	ND	32.95	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	38.23	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	11.17	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	32.14	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	48.92	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	1.02	ND	ND	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	0.25	ND	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	3.03	ND	ND	7.20	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.69	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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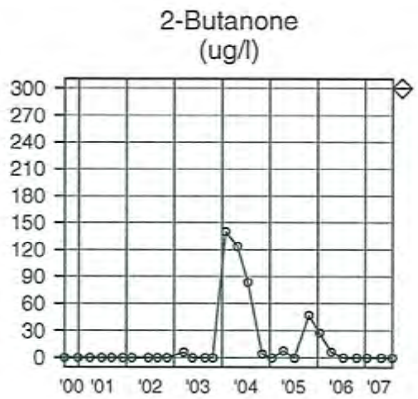

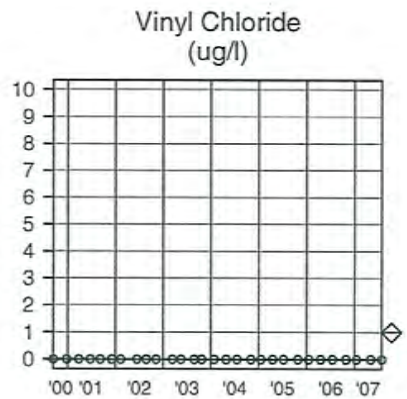

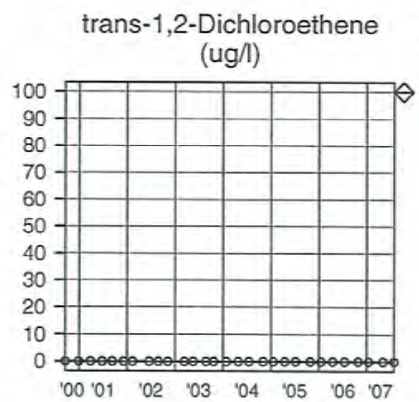

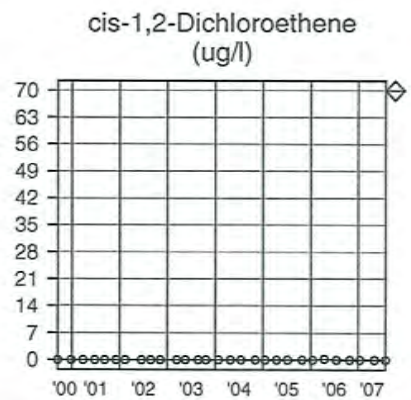

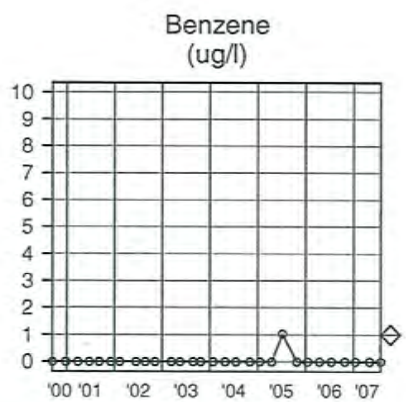

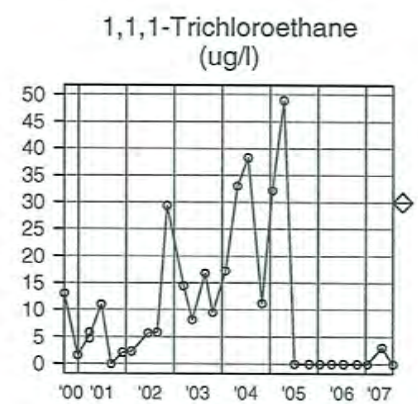

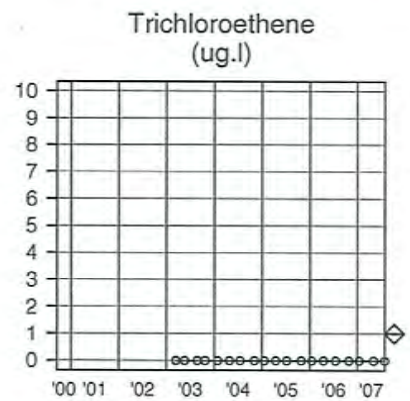

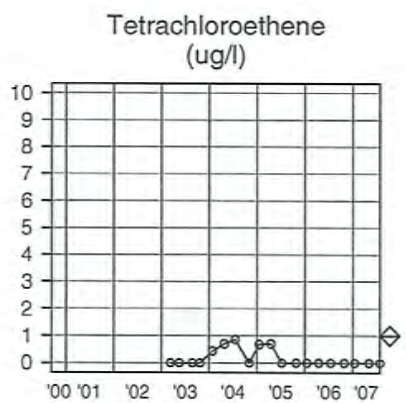

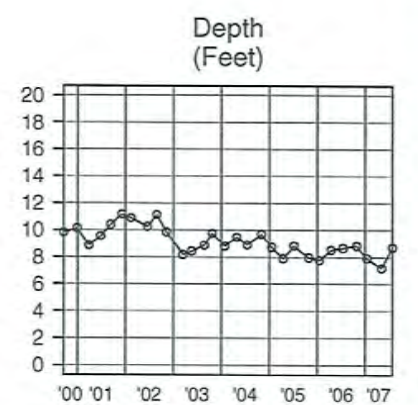

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 10 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000053

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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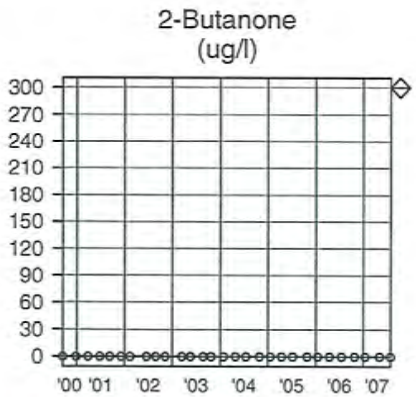

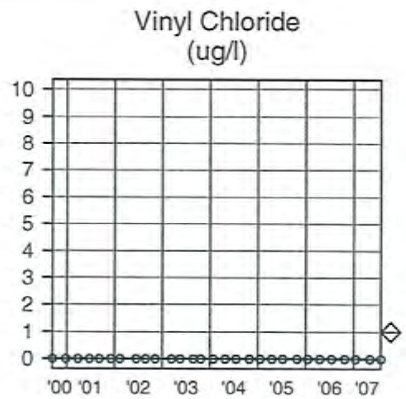

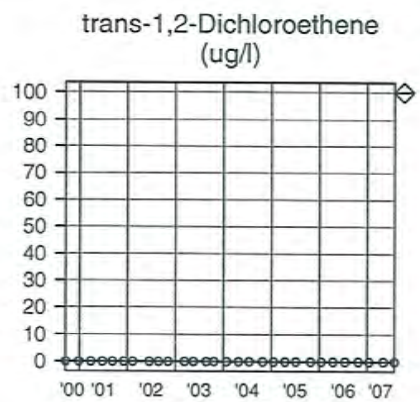

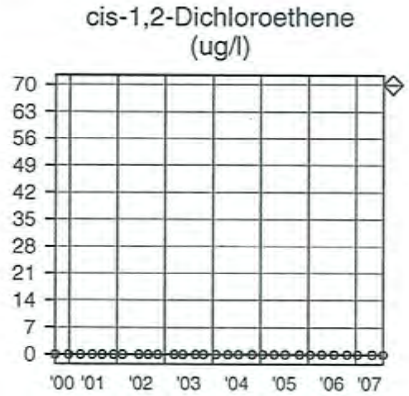

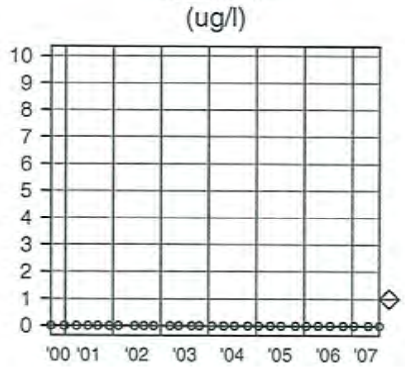

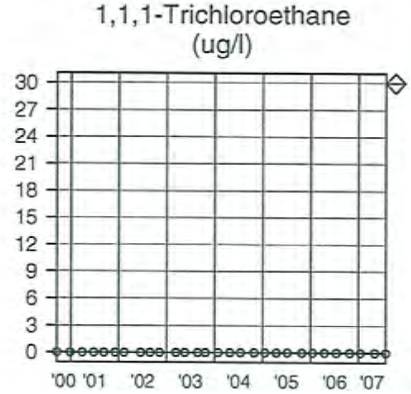

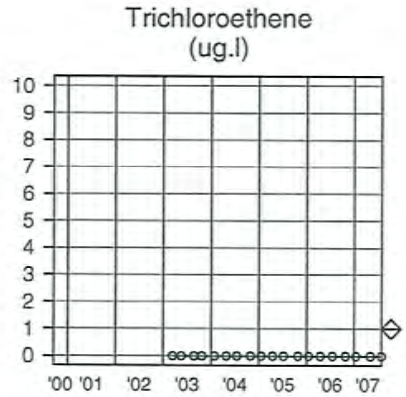

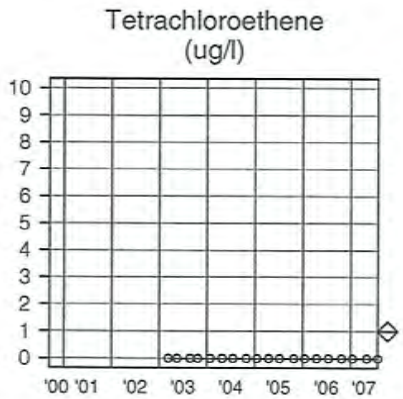

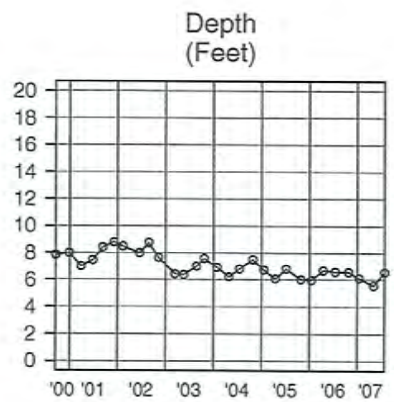

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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000055

	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	11.29			11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	2.91			11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	4.49			10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	3.24			10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	18.81			11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	11.38			11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	5.26			10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	ND	ND	ND	12.84	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	ND	ND	ND	2.37	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	15.54	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	1.44	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	1.12	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	0.91	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	0.64	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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FORT MONMOUTH
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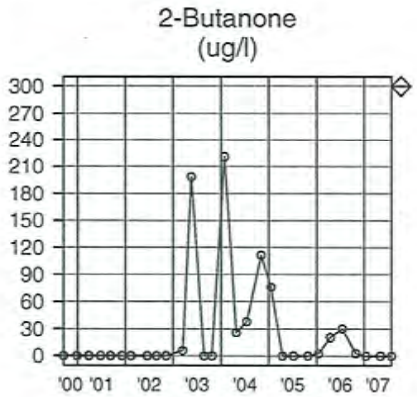

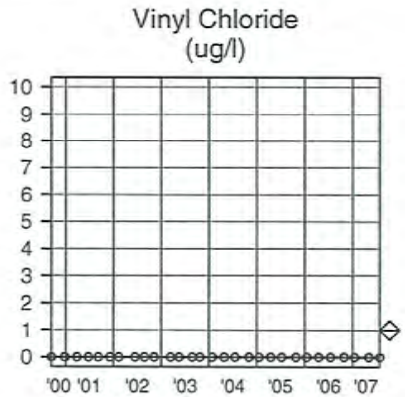

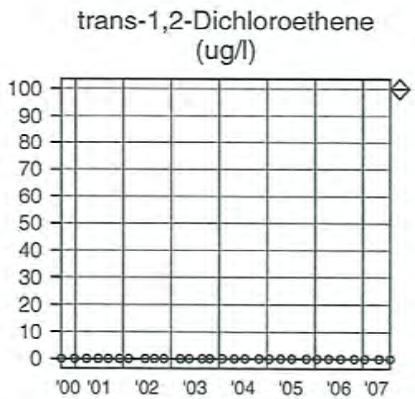

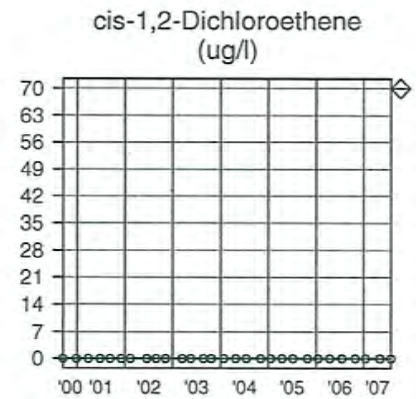

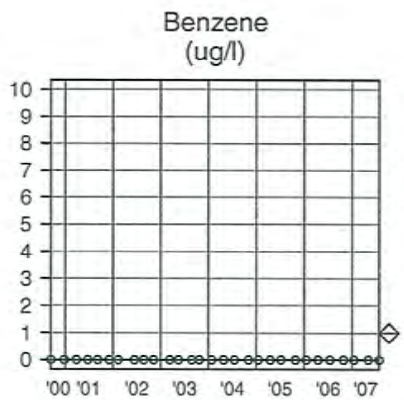

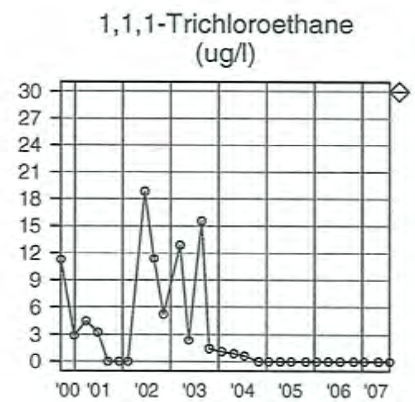

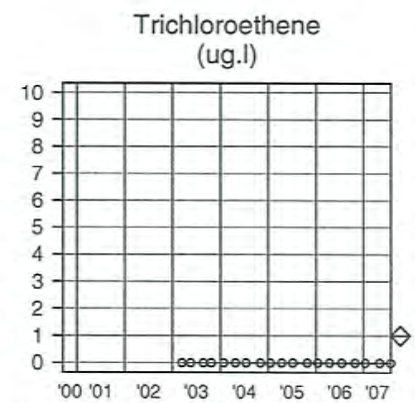

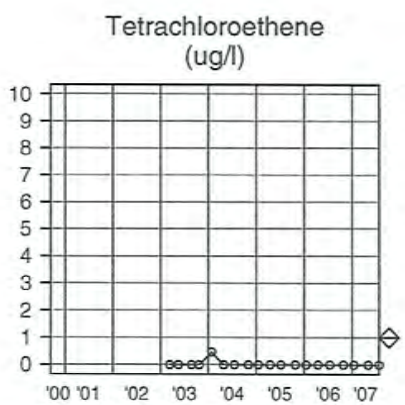

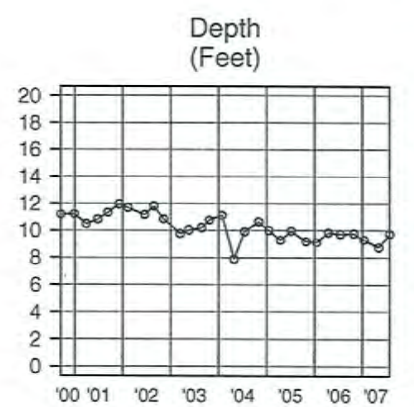

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/24/2007

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NJDEP Criteria

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	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	ND	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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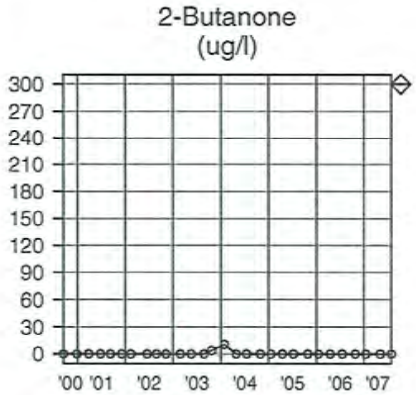

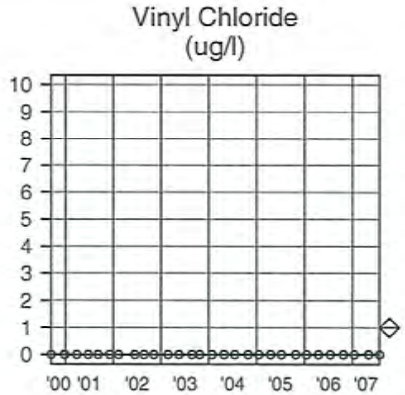

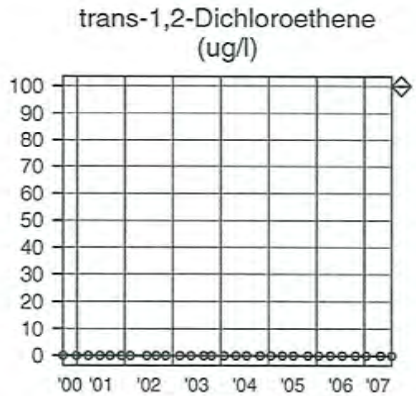

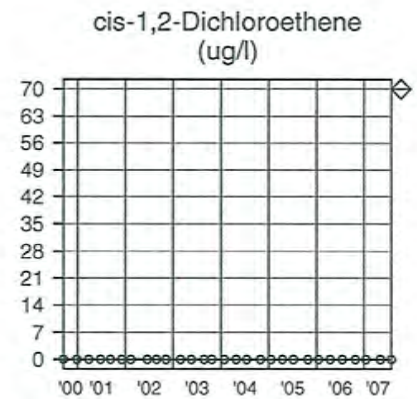

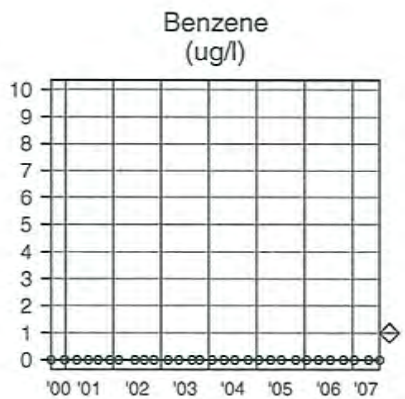

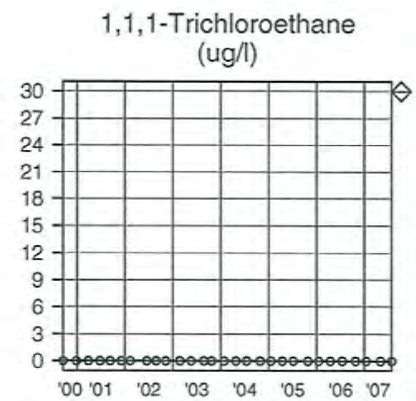

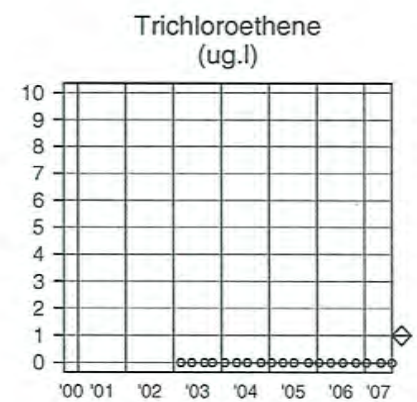

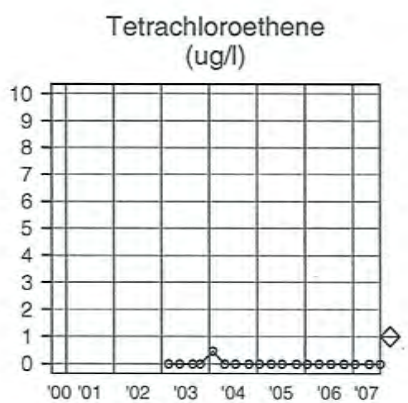

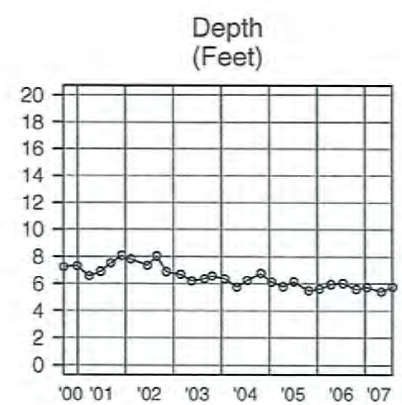

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS
07/24/2007	FMETL	5.04									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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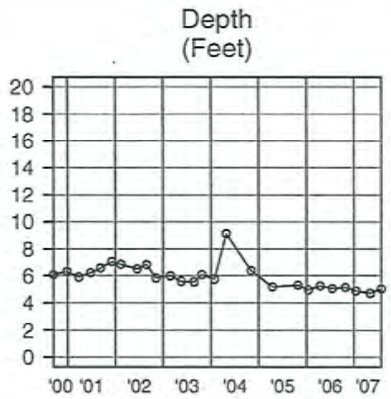

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
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FORT MONMOUTH
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS
07/24/2007	FMETL	5.90									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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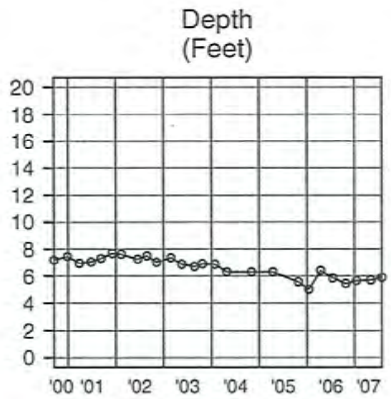

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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000063

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS
07/24/2007	FMETL	4.02									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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FORT MONMOUTH
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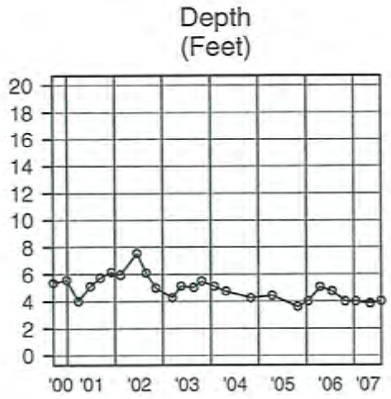

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS
07/24/2007	FMETL	3.07									NS

SOURCE: 0812MW12

Sampling Dates:
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NOTES:

New Ground Water Quality Criteria as per 11/07/05

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M-8 Bldg 697

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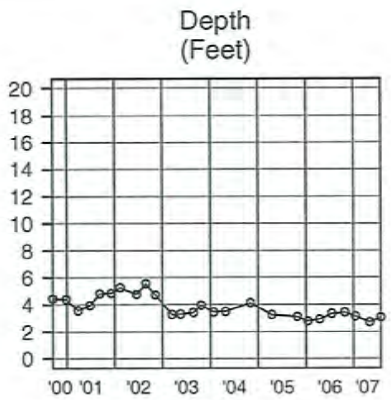
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000067

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS
07/24/2007	FMETL	9.35									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

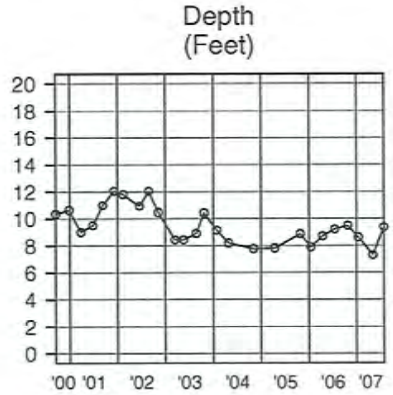
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000068



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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	Lab	2-But anone	Vinyl Chloride	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	1,1,1-Tri chloro ethane	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	100	70	1	30	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND			8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
09/07/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.28	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.86	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/24/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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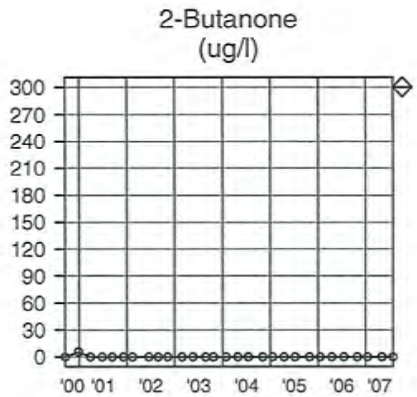
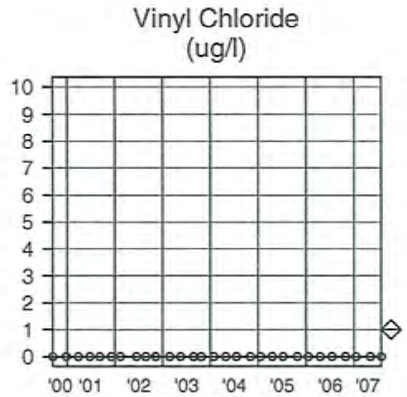
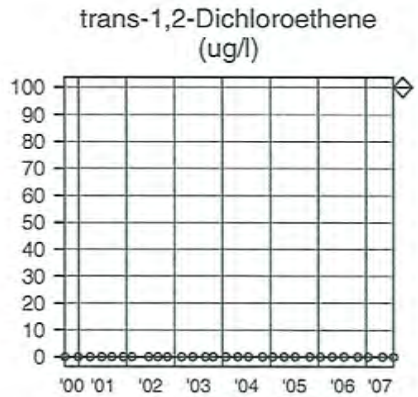
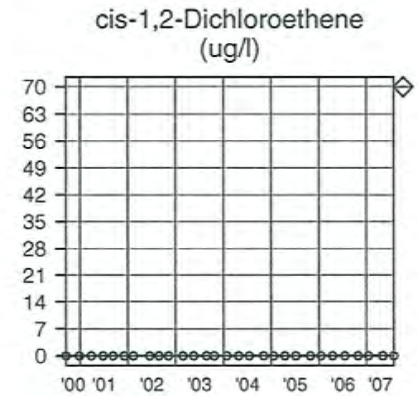
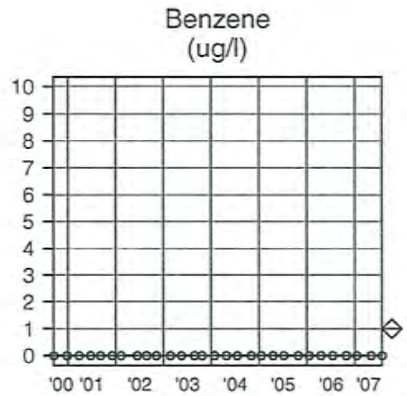
08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

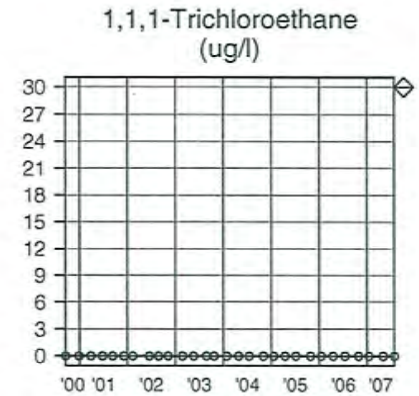


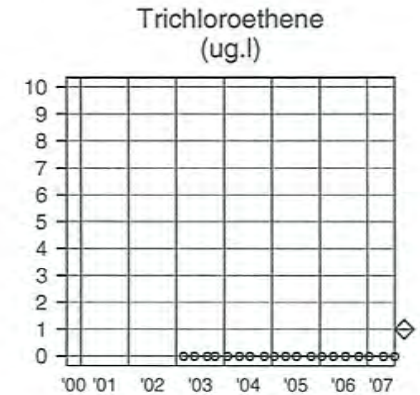


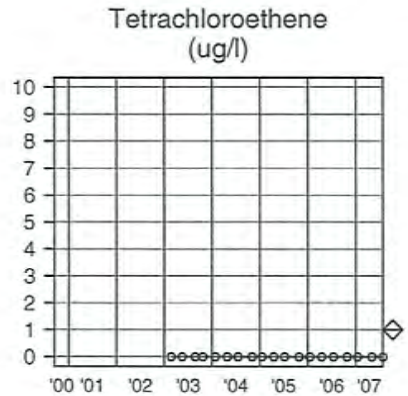


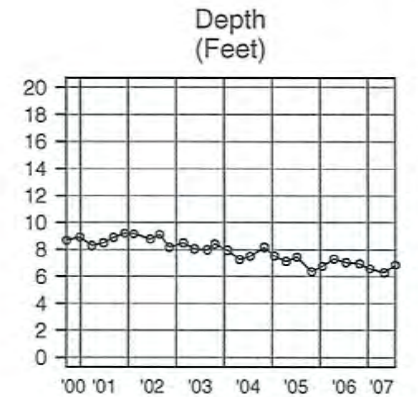












SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/24/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
7039704	0812MW01	29-42572	10/17/07
7039705	0812MW02	29-42573	10/17/07
7039706	0812MW04	29-42575	10/17/07
7039707	0812MW05	29-42576	10/17/07
7039708	0812MW06	29-42577	10/17/07
7039709	0812MW07	29-42578	10/17/07
7039710	0812MW08	29-42579	10/17/07
7039711	0812MW14	29-42888	10/17/07

NJDEP Laboratory Certification # 13461

11-9-07

Daniel Wright/Date:
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

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: JOE FALLON
Phone 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No: 70397
Location: 4TH QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
70397.01	812 TRIP BLANK	10-17-07	8:30	AQ	2	X								
.02	812 FIELD BLANK	10-17-07	10:40	AQ	2	X								
.03	812 DUP	10-17-07	—	AQ	2	X								
.04	812 MW #01	10-17-07	15:00	AQ	2	X								29-42572
.05	812 MW #02	10-17-07	15:10	AQ	2	X								29-42573
.06	812 MW #04	10-17-07	14:30	AQ	2	X								29-42575
.07	812 MW #05	10-17-07	11:10	AQ	2	X								29-42576
.08	812 MW #06	10-17-07	11:00	AQ	2	X								29-42577
.09	812 MW #07	10-17-07	11:20	AQ	2	X								29-42578
.10	812 MW #08	10-17-07	10:50	AQ	2	X								29-42579
.11	812 MW #14	10-17-07	14:40	AQ	2	*								29-49888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	10/17/07 16:00	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, ( )Rush _ Days, (_)ASAP Verbal ____Hrs.

Remarks:

000002

print legibly

COC._1.XLS8/9/2007

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: High

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.96 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.66 ft
(40.66) X .65 X 3 =79.28
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:16
pH 7.12 su — TEMP 19.04 °C
DISSOLVED O_2 1.68 mg/L — SPECIFIC CONDUCTIVITY 1925.0 µs/cm

PURGE END TIME: 14:59
pH 7.20 su — TEMP 16.48 °C
DISSOLVED O_2 1.52 mg/L — SPECIFIC CONDUCTIVITY 2142.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.38 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 13:00
pH 7.17 su — TEMP 16.16 °C
DISSOLVED O_2 1.38 mg/L — SPECIFIC CONDUCTIVITY 2089.0 µs/cm

SAMPLE END TIME: 13:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.48 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.43 ft
(41.43) X .65 X 3 = 80.78
GALLONS OF H_2O TO BE PURGED: 81 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: 09:08
pH 6.94 su
TEMP 22.46 °C
DISSOLVED O_2 1.25 mg/L
SPECIFIC CONDUCTIVITY 2045.0 µs/cm

PURGE END TIME: 15:00
pH 6.96 su
TEMP 19.42 °C
DISSOLVED O_2 1.56 mg/L
SPECIFIC CONDUCTIVITY 2197.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:10
pH 7.23 su
TEMP 17.10 °C
DISSOLVED O_2 1.36 mg/L
SPECIFIC CONDUCTIVITY 1999.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.11 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.56 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.06 ft
(2.06) X .65 X 3 = 4.0
GALLONS OF H_2O TO BE PURGED: 4 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 14:10
pH 6.69 su — TEMP 21.76 °C
DISSOLVED O_2 1.68 mg/L — SPECIFIC CONDUCTIVITY 7234.0 µs/cm

PURGE END TIME: 14:27
pH 6.78 su — TEMP 21.84 °C
DISSOLVED O_2 1.42 mg/L — SPECIFIC CONDUCTIVITY 7416.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 14:30
pH 6.74 su — TEMP 21.88 °C
DISSOLVED O_2 1.39 mg/L — SPECIFIC CONDUCTIVITY 7441.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.47 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.12 ft
(8.12) X .65 X 3 =15.83
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:43
pH 4.41 su — TEMP 19.99 °C
DISSOLVED O_2 1.43 mg/L — PECIFIC CONDUCTIVITY 1554.0 µs/cm

PURGE END TIME: 10:53
pH 4.39 su — TEMP 19.67 °C
DISSOLVED O_2 2.76 mg/L — SPECIFIC CONDUCTIVITY 1617.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.96 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:10
pH 4.35 su — TEMP 19.52 °C
DISSOLVED O_2 2.51 mg/L — SPECIFIC CONDUCTIVITY 1661.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.14 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.86 ft
(7.86) X .65 X 3 =15.32
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:33
pH 4.32 su
TEMP 20.93 °C
DISSOLVED O_2 2.52 mg/L
PECIFIC CONDUCTIVITY 6181.0 µs/cm

PURGE END TIME: 10:43
pH 4.29 su
TEMP 21.29 °C
DISSOLVED O_2 2.91 mg/L
SPECIFIC CONDUCTIVITY 7155.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.34 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:00
pH 4.24 su
TEMP 21.26 °C
DISSOLVED O_2 2.01 mg/L
SPECIFIC CONDUCTIVITY 7240.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.22 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.09 ft
(7.09) X .65 X 3 =13.82
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:52
pH 4.54 su
DISSOLVED O_2 2.32 mg/L
TEMP 20.17 °C
SPECIFIC CONDUCTIVITY 1619.0 µs/cm

PURGE END TIME: 10:53
pH 5.09 su
DISSOLVED O_2 2.03 mg/L
TEMP 19.99 °C
SPECIFIC CONDUCTIVITY 1354.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 11:20
pH 5.12 su
DISSOLVED O_2 2.08 mg/L
TEMP 19.92 °C
SPECIFIC CONDUCTIVITY 1337.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.39 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.87 ft
(8.87) X .65 X 3 =17.29
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:24
pH 4.35 su
DISSOLVED O_2 1.21 mg/L
TEMP 21.39 °C
SPECIFIC CONDUCTIVITY 7654.0 µs/cm

PURGE END TIME: 10.42
pH 4.27 su
DISSOLVED O_2 2.45 mg/L
TEMP 20.90 °C
SPECIFIC CONDUCTIVITY 6413.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.02 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:50
pH 4.16 su
DISSOLVED O_2 1.24 mg/L
TEMP 20.93 °C
SPECIFIC CONDUCTIVITY 6625.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.18 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.04 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.01 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.74 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su
DISSOLVED O_2 mg/L
TEMP °C
SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.31 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/17/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.32 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.33 ft
(7.33) X .65 X 3 =14.29
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:25
pH 5.83 su — TEMP 21.23 °C
DISSOLVED O_2 1.56 mg/L — SPECIFIC CONDUCTIVITY 9158.0 µs/cm

PURGE END TIME: 14:30
pH 6.45 su — TEMP 21.46 °C
DISSOLVED O_2 1.32 mg/L — SPECIFIC CONDUCTIVITY 9895.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:40
pH 5.96 su — TEMP 21.31 °C
DISSOLVED O_2 1.15 mg/L — SPECIFIC CONDUCTIVITY 9531.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS: DUP. Here.

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026356.D	Sample Name	MB 25 OCT 2007
Operator	VBP	Field ID	
Date Acquired	25 Oct 2007 10:01 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 25 OCT 2007**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: MB 25 OCT 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026356.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/25/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026369.D	Sample Name	7039701
Operator	VBP	Field ID	812 TRIP BLANK
Date Acquired	25 Oct 2007 8:53 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	34009	0.98 ug/L	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 TRIP BLANK**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026369.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/25/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026370.D	Sample Name	7039702
Operator	VBP	Field ID	812 FIELD BLANK
Date Acquired	25 Oct 2007 9:39 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.59	32415	0.93 ug/L	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

812 FIELD BLANK

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026370.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/25/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026371.D	Sample Name	7039703
Operator	VBP	Field ID	812 DUP
Date Acquired	25 Oct 2007 10:26 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026371.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/25/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026372.D	Sample Name	7039704
Operator	VBP	Field ID	812 MW#01
Date Acquired	25 Oct 2007 11:13 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026372.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. _____ Date Analyzed: 10/25/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026373.D	Sample Name	7039705
Operator	VBP	Field ID	812 MW#02
Date Acquired	25 Oct 2007 11:57 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026373.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. _____ Date Analyzed: 10/25/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026374.D	Sample Name	7039706
Operator	VBP	Field ID	812 MW#04
Date Acquired	26 Oct 2007 12:41 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	0.85	ug/L	10.00 ug/L	
107131	Acrylonitrile			not	detected	2	0.80	ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not	detected	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not	detected	70	0.23	ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not	detected	20000	0.27	ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not	detected	1000	1.43	ug/L	2.00 ug/L	
74-87-3	Chloromethane			not	detected	nle	0.47	ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not	detected	1	0.30	ug/L	2.00 ug/L	
74-83-9	Bromomethane			not	detected	10	0.56	ug/L	2.00 ug/L	
75-00-3	Chloroethane			not	detected	nle	0.44	ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not	detected	2000	0.50	ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not	detected	1	0.34	ug/L	2.00 ug/L	
67-64-1	Acetone			not	detected	6000	0.85	ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not	detected	700	0.44	ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not	detected	3	0.21	ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	12.14	17056	0.81	ug/L	100	0.23	ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not	detected	50	0.25	ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not	detected	7000	0.31	ug/L	2.00 ug/L	
78-93-3	2-Butanone			not	detected	300	0.14	ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.80	14211	0.66	ug/L	70	0.17	ug/L	2.00 ug/L	
67-66-3	Chloroform			not	detected	70	0.32	ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not	detected	30	0.28	ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	1	0.43	ug/L	2.00 ug/L	
71-43-2	Benzene	18.08	147131	2.80	ug/L	1	0.17	ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not	detected	2	0.33	ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not	detected	1	0.21	ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not	detected	1	0.13	ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not	detected	1	0.19	ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not	detected	nle	0.15	ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not	detected	1	0.14	ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not	detected	nle	0.53	ug/L	2.00 ug/L	
108-88-3	Toluene	22.43	1659959	28.47	ug/L	1000	0.27	ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not	detected	1	0.22	ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not	detected	3	0.31	ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not	detected	1	0.34	ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not	detected	nle	0.42	ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not	detected	1	0.17	ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not	detected	50	0.15	ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.26	3487780	46.78	ug/L	700	0.28	ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not	detected	1	0.45	ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	25.51	1880746	75.63	ug/L	nle	0.34	ug/L	4.00 ug/L	
1330-20-7	o-Xylene	26.28	3953950	61.33	ug/L	nle	0.15	ug/L	2.00 ug/L	E
100-42-5	Styrene			not	detected	100	0.10	ug/L	2.00 ug/L	
75-25-2	Bromoform			not	detected	4	0.20	ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not	detected	1	0.34	ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not	detected	600	0.25	ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not	detected	75	0.34	ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not	detected	600	0.38	ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026375.D	Sample Name	7039706 (1:5)
Operator	VBP	Field ID	812 MW#04
Date Acquired	26 Oct 2007 1:27 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	0.85	ug/L	50.00 ug/L	
107131	Acrylonitrile			not	detected	2	0.80	ug/L	50.00 ug/L	
75650	tert-Butyl alcohol			not	detected	100	1.82	ug/L	50.00 ug/L	
1634044	Methyl-tert-Butyl ether			not	detected	70	0.23	ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not	detected	20000	0.27	ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not	detected	1000	1.43	ug/L	10.00 ug/L	
74-87-3	Chloromethane			not	detected	nle	0.47	ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not	detected	1	0.30	ug/L	10.00 ug/L	
74-83-9	Bromomethane			not	detected	10	0.56	ug/L	10.00 ug/L	
75-00-3	Chloroethane			not	detected	nle	0.44	ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not	detected	2000	0.50	ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not	detected	1	0.34	ug/L	10.00 ug/L	
67-64-1	Acetone			not	detected	6000	0.85	ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not	detected	700	0.44	ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not	detected	3	0.21	ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not	detected	100	0.23	ug/L	10.00 ug/L	
75-35-3	1,1-Dichloroethane			not	detected	50	0.25	ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not	detected	7000	0.31	ug/L	10.00 ug/L	
78-93-3	2-Butanone			not	detected	300	0.14	ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not	detected	70	0.17	ug/L	10.00 ug/L	
67-66-3	Chloroform			not	detected	70	0.32	ug/L	10.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not	detected	30	0.28	ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	1	0.43	ug/L	10.00 ug/L	
71-43-2	Benzene	18.08	31707	2.94	ug/L	1	0.17	ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not	detected	2	0.33	ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not	detected	1	0.21	ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not	detected	1	0.13	ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not	detected	1	0.19	ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not	detected	nle	0.15	ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not	detected	1	0.14	ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not	detected	nle	0.53	ug/L	10.00 ug/L	
108-88-3	Toluene	22.43	434873	36.34	ug/L	1000	0.27	ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not	detected	1	0.22	ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not	detected	3	0.31	ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not	detected	1	0.34	ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not	detected	nle	0.42	ug/L	10.00 ug/L	
126-48-1	Dibromochloromethane			not	detected	1	0.17	ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not	detected	50	0.15	ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.26	958057	61.25	ug/L	700	0.28	ug/L	10.00 ug/L	D
630-20-6	1,1,1,2-Tetrachloroethane			not	detected	1	0.45	ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes	25.51	487295	93.39	ug/L	nle	0.34	ug/L	20.00 ug/L	D
1330-20-7	o-Xylene	26.28	971529	71.82	ug/L	nle	0.15	ug/L	10.00 ug/L	D
100-42-5	Styrene			not	detected	100	0.10	ug/L	10.00 ug/L	
75-25-2	Bromoform			not	detected	4	0.20	ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not	detected	1	0.34	ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not	detected	600	0.25	ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not	detected	75	0.34	ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not	detected	600	0.38	ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026374.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/26/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 15

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 007446-09-5	Sulfur dioxide	5.37	15	JN
2. 000098-82-8	Benzene, (1-methylethyl)-	26.83	8	JN
3. 000103-65-1	Benzene, propyl-	27.54	14	JN
4. 000622-96-8	Benzene, 1-ethyl-4-methyl-	27.70	35	JN
5. 000095-36-3	1,2,4-Trimethylbenzene	27.87	30	JN
6. 000622-96-8	Benzene, 1-ethyl-4-methyl-	28.26	38	JN
7. 000095-36-3	1,2,4-Trimethylbenzene	28.56	110	JN
8. 000470-67-7	7-Oxabicyclo[2.2.1]heptane, 1-me	28.75	7	JN
9. 000526-73-8	Benzene, 1,2,3-trimethyl-	29.34	41	JN
10. 000496-11-7	Indane	29.61	46	JN
11. 002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	30.33	8	JN
12. 027133-93-3	2,3-Dihydro-1-methylindene	30.58	9	JN
13. 004695-62-9	Bicyclo[2.2.1]heptan-2-one, 1,3,3-	31.83	14	JN
14. 002039-90-9	Benzene, 2-ethenyl-1,3-dimethyl-	31.98	16	JN
15. 000275-51-4	Azulene	33.58	9	JN

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026376.D	Sample Name	7039707
Operator	VBP	Field ID	812 MW#05
Date Acquired	26 Oct 2007 2:14 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	14.18	145597	5.08 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026376.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. _____ Date Analyzed: 10/26/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026377.D	Sample Name	7039708
Operator	VBP	Field ID	812 MW#06
Date Acquired	26 Oct 2007 3:00 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026377.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/26/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026378.D	Sample Name	7039709
Operator	VBP	Field ID	812 MW#07
Date Acquired	26 Oct 2007 3:49 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	14.17	186569	7.14 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026378.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. _____ Date Analyzed: 10/26/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026379.D	Sample Name	7039710
Operator	VBP	Field ID	812 MW#08
Date Acquired	26 Oct 2007 4:40 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#08**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026379.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. _____ Date Analyzed: 10/26/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB026380.D	Sample Name	7039711
Operator	VBP	Field ID	812 MW#14
Date Acquired	26 Oct 2007 5:29 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **812 MW#14**

Lab Name: FMETL NJDEP#: 13461

Project: 70397 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7039711

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB026380.D

Level: (low/med) LOW Date Received: 10/17/2007

% Moisture: not dec. Date Analyzed: 10/26/2007

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND	ND	ND	8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.39	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.96	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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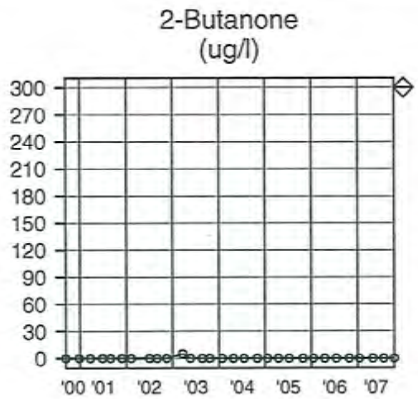

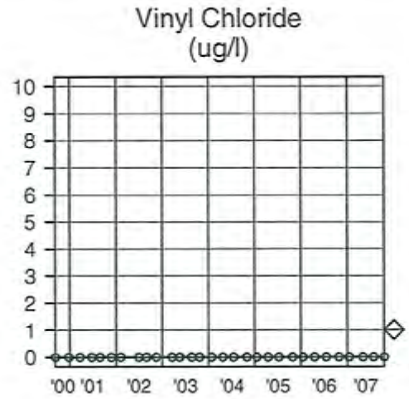

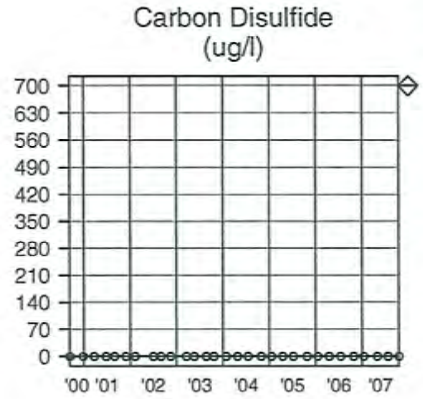

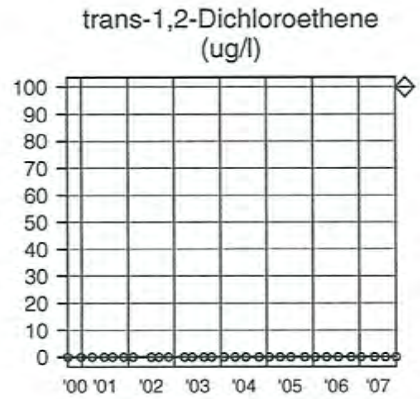

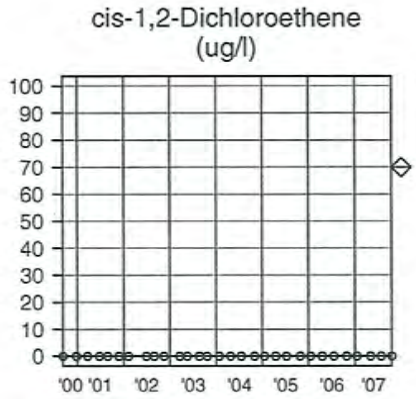

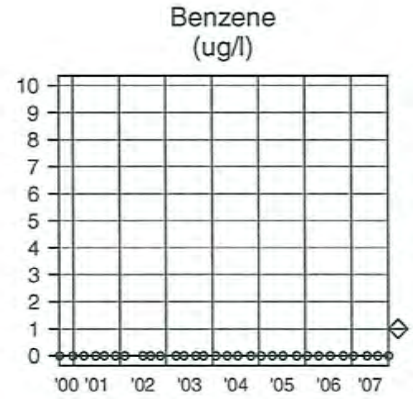

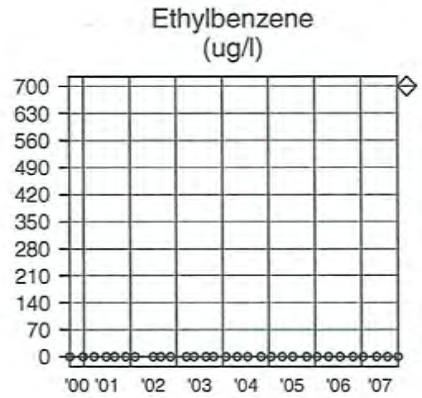

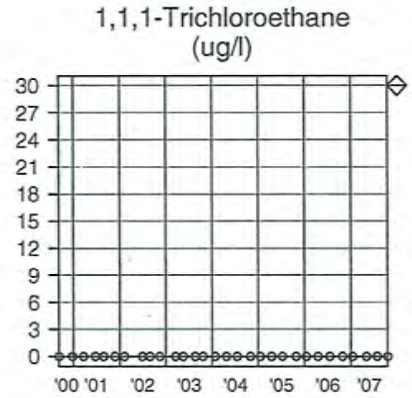

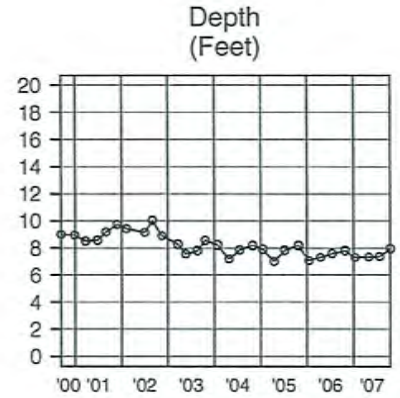

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/09/2000	FMETL	ND	ND	4.27	ND	ND	ND	ND	ND	6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.48	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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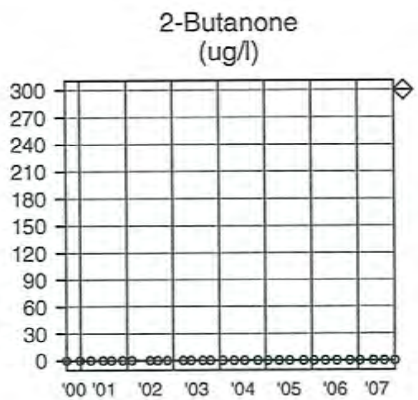

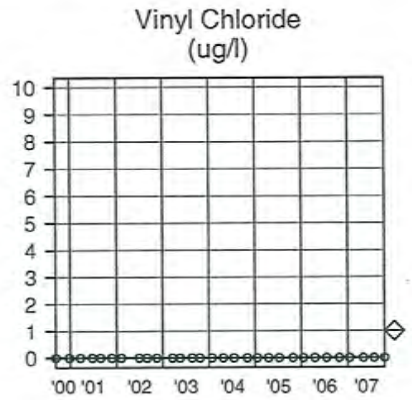

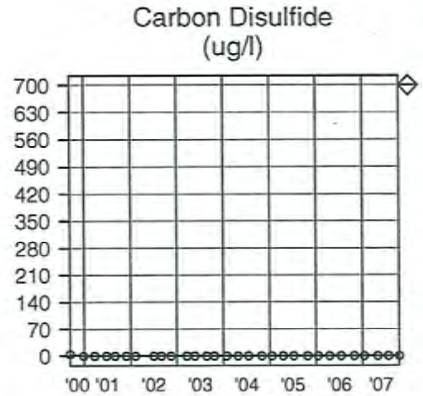

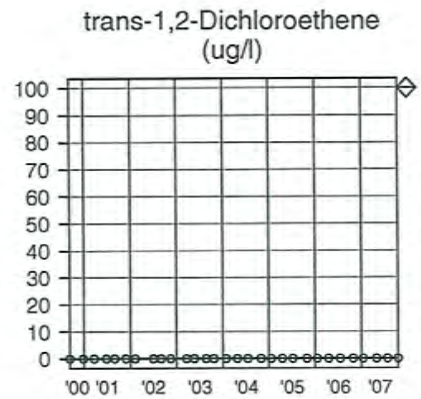

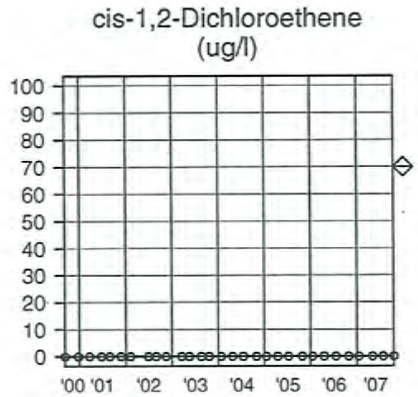

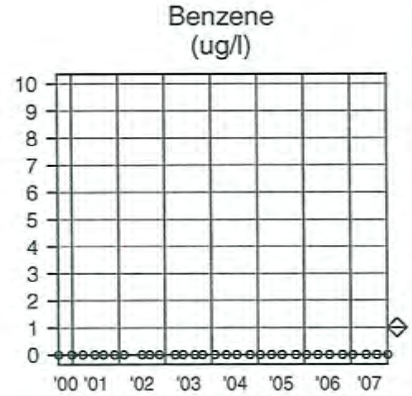

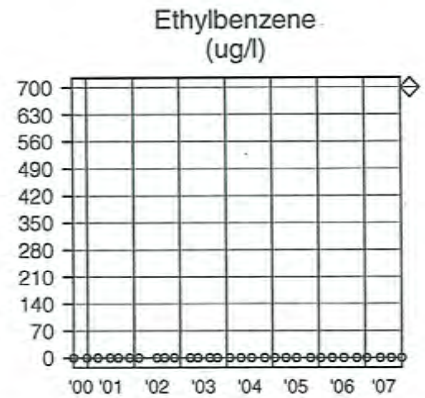

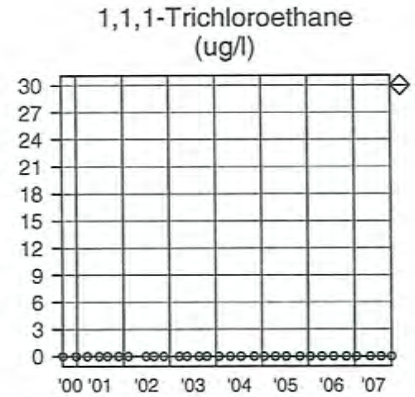

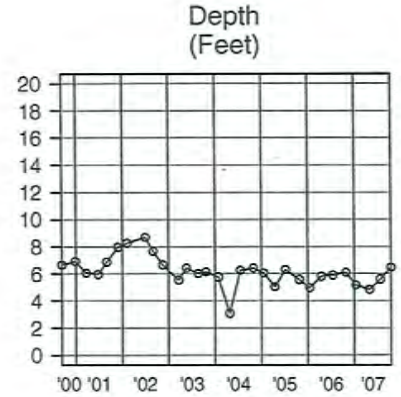

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS
07/24/2007	FMETL	5.56									NS
10/17/2007	FMETL	6.11									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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M-8 Bldg 697

Source 14 of 14

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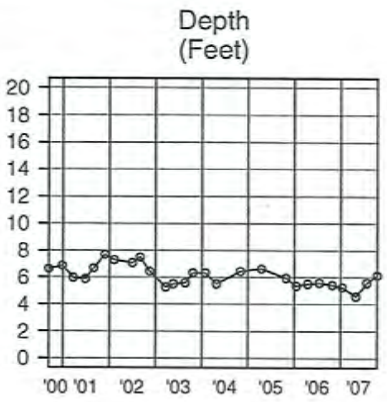
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 14 of 14, Graph

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58	136.41	ND	4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17	72.16	ND	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND	20.48	ND	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND	8.70	ND	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	1.84	101.33	196.94	6.75	126.76	ND	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51	53.78	ND	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87	98.1	ND	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04	182.38	ND	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43	94.11	ND	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND	1.24	ND	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	38.58	ND	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	321.42	5.09	6.38	37.35	ND	9.01	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	9.55	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	1.02	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	50.49	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	32.42	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	45.57	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	48.96	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	0.52	ND	2.42	V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	37.64	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	ND	1.22	ND	3.25	ND	3.33	V
10/25/2006	FMETL	ND	17.17	ND	0.75	0.39	0.92	17.80	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	ND	1.48	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.53	V
10/17/2007	FMETL	ND	ND	ND	0.81	0.66	2.80	46.78	ND	4.56	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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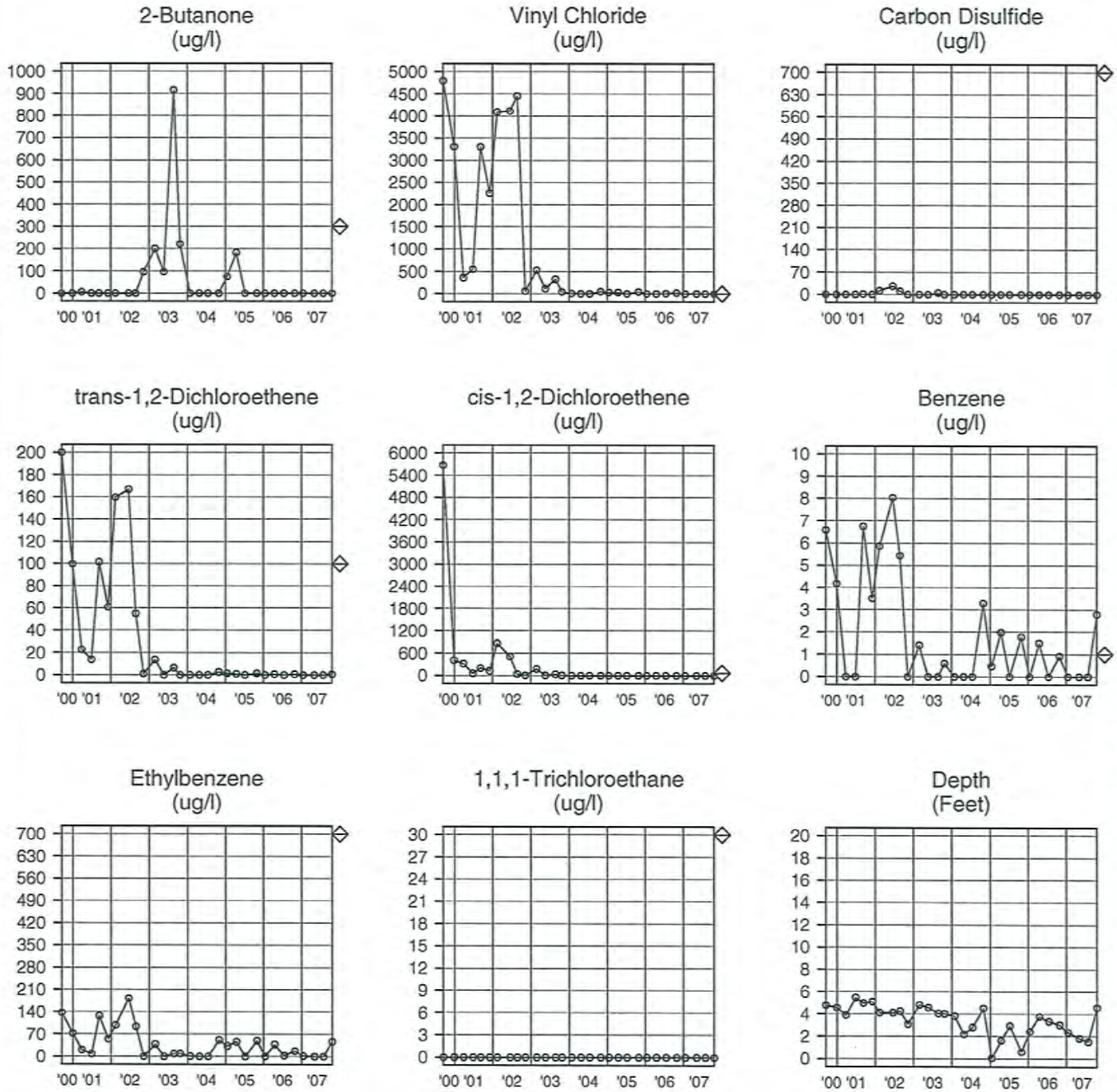
000051



SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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U.S.ARMY
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SELFM-PW-EV

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000052

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	13.04	9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.58	10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	5.77	8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	4.62	8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	10.94	9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.06	11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	2.27	10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	5.66	10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	5.83	11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	29.36	9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	4.93	ND	ND	ND	ND	14.49	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.16	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	16.8	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	9.47	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	17.26	8.78	V
04/22/2004	FMETL	123.5	ND	5.69	ND	ND	ND	ND	32.95	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	38.23	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	11.17	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	32.14	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	48.92	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	0.28	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	3.03	7.20	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.69	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.47	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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U.S.ARMY
FORT MONMOUTH
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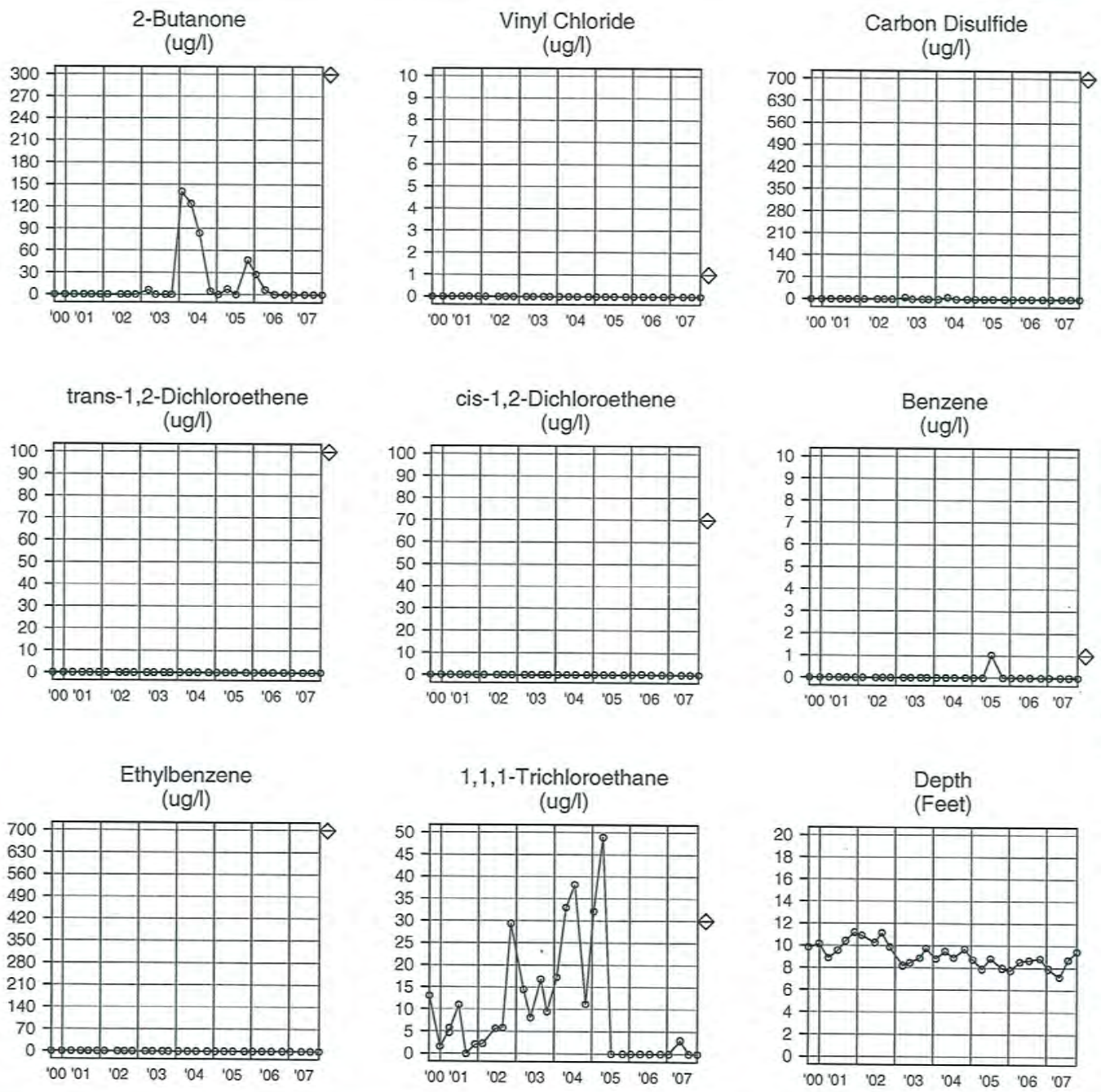
000053



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Sampling Dates:
09/14/2000 - 10/17/2007

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
SELFM-PW-EV

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000054

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.14	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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FORT MONMOUTH
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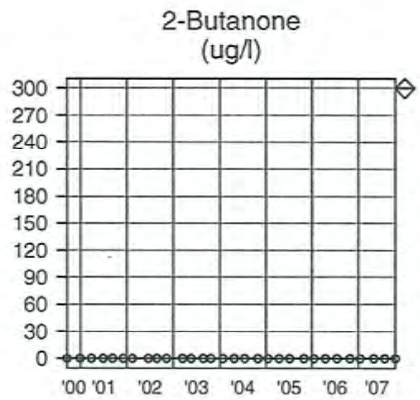

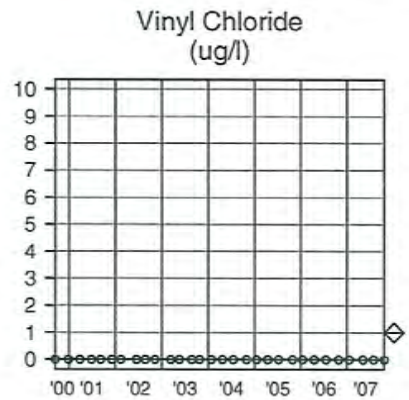

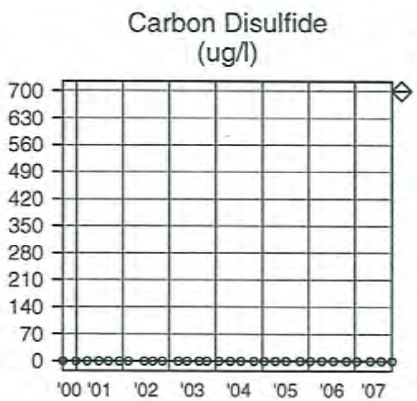

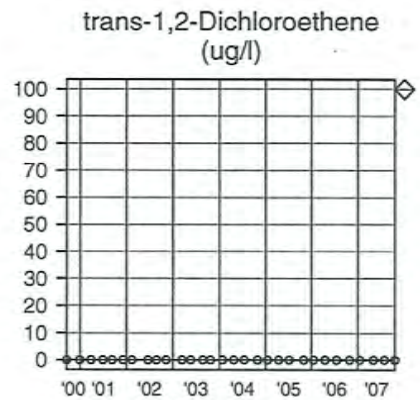

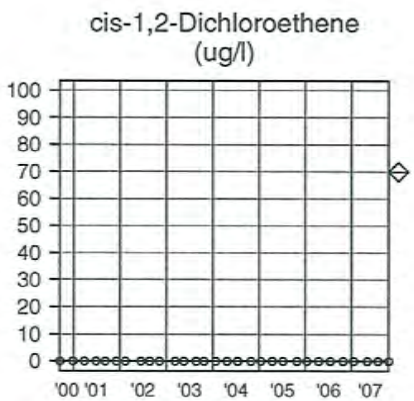

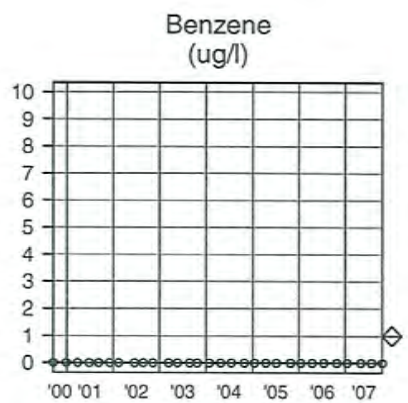

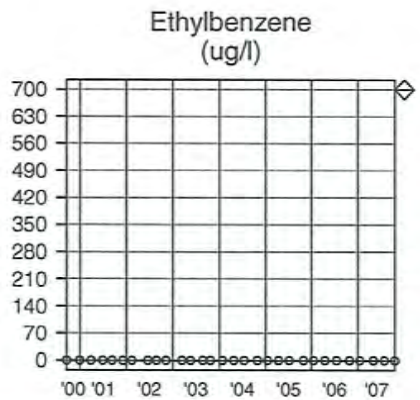

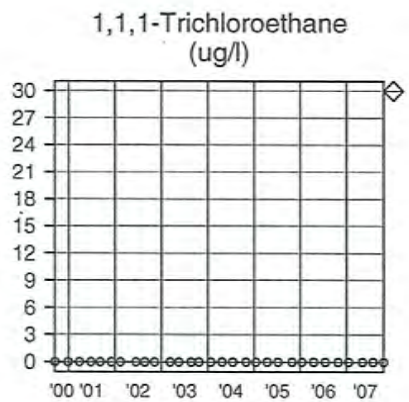

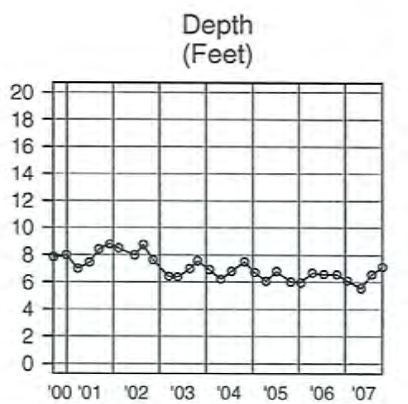

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/17/2007

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NJDEP Criteria

FORT MONMOUTH

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	11.29	11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	2.91	11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	4.49	10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	3.24	10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	ND	ND	ND	ND	11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	18.81	11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	11.38	11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	5.26	10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	8.27	ND	ND	ND	ND	12.84	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	17.95	ND	ND	ND	ND	2.37	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	15.54	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	1.44	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	1.12	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	0.91	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	0.64	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.22	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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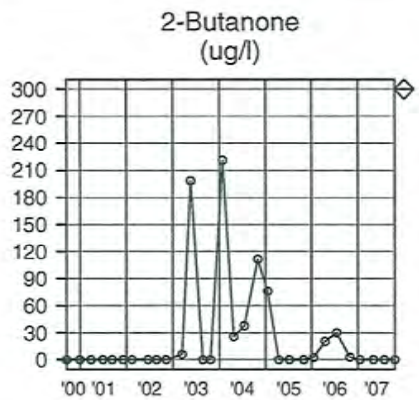

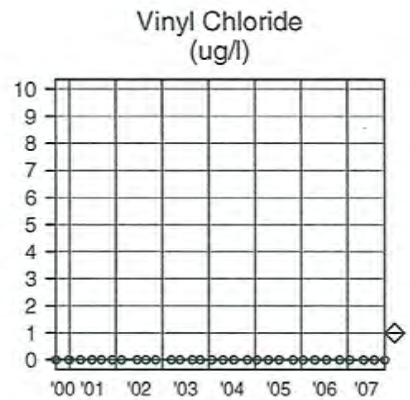

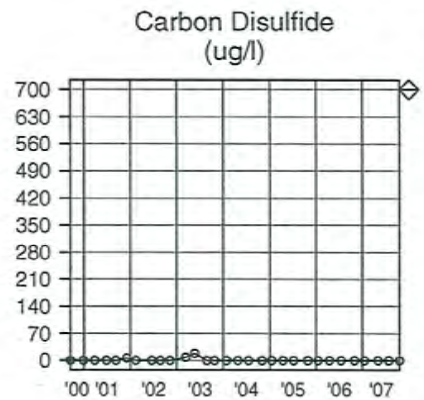

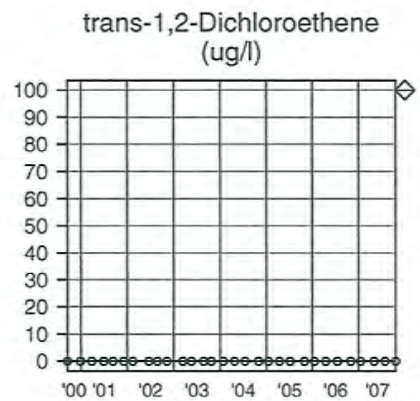

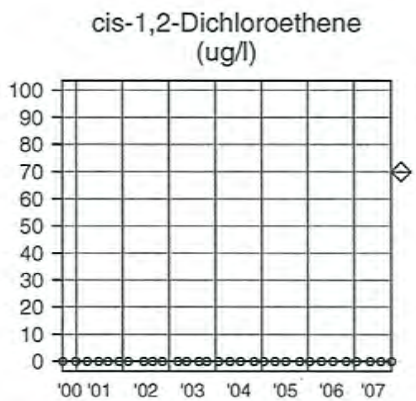

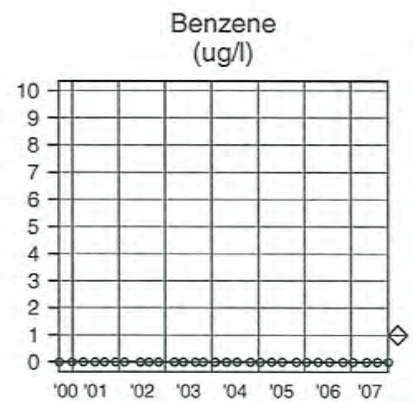

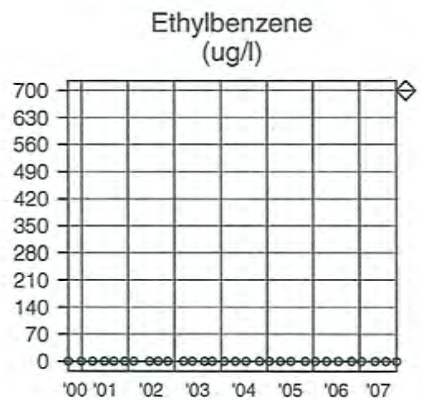

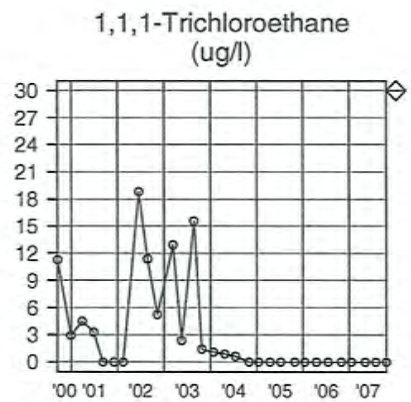

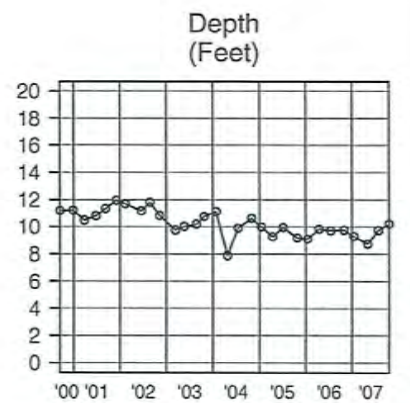

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	3.06	ND	ND	ND	ND	ND	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.39	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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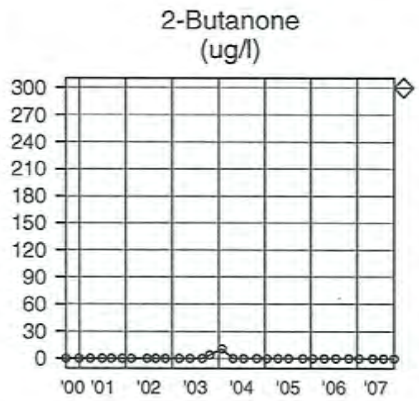

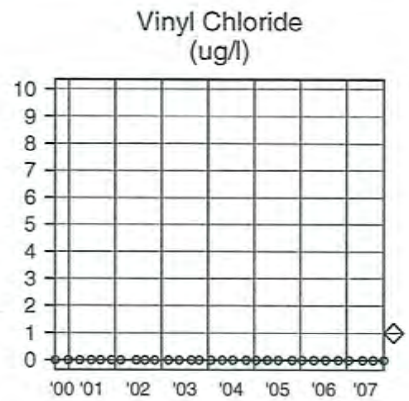

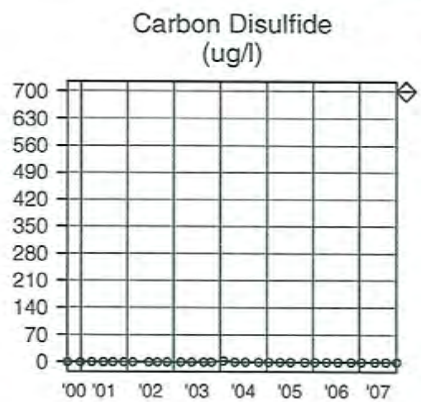

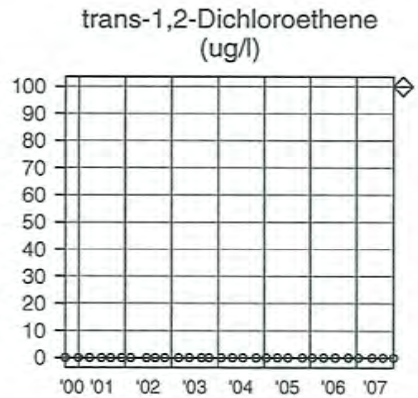

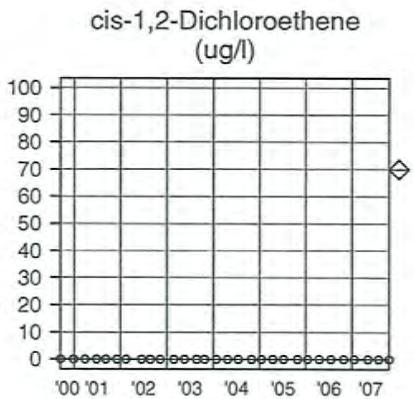

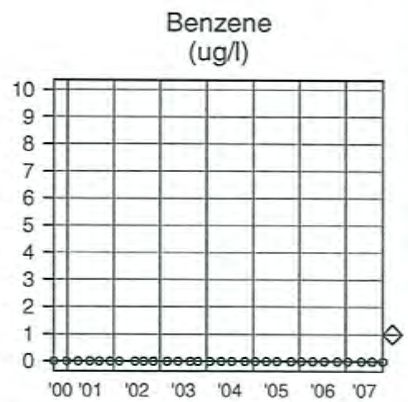

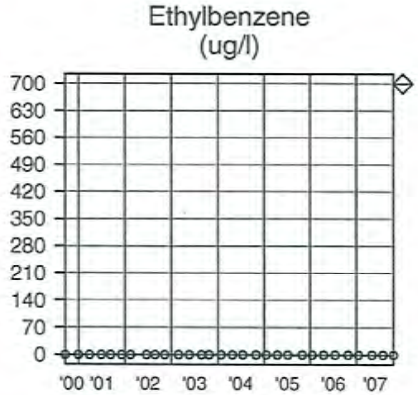

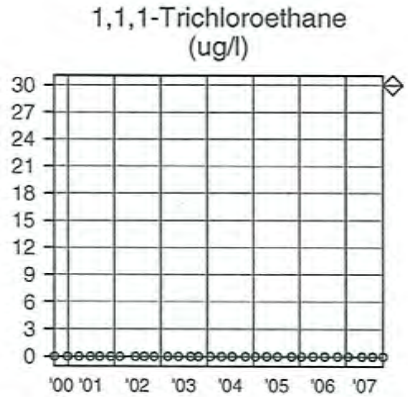

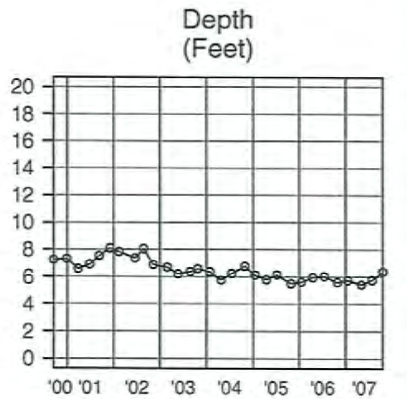

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

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o = Date Sampled

NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS
07/24/2007	FMETL	5.04									NS
10/17/2007	FMETL	5.18									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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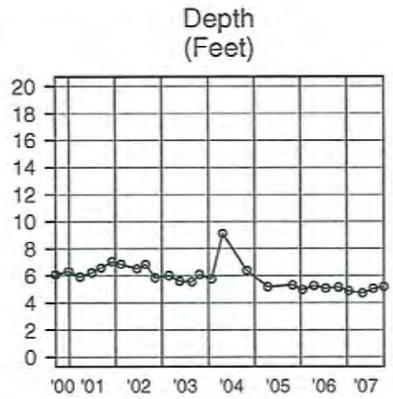

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS
07/24/2007	FMETL	5.90									NS
10/17/2007	FMETL	6.04									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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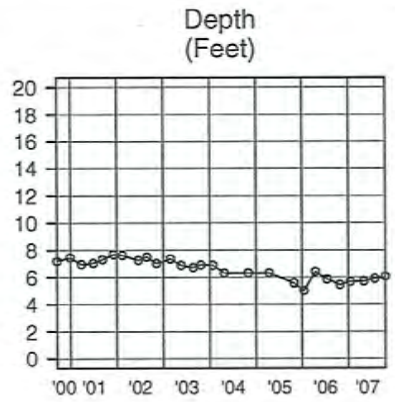

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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000064

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS
07/24/2007	FMETL	4.02									NS
10/17/2007	FMETL	5.01									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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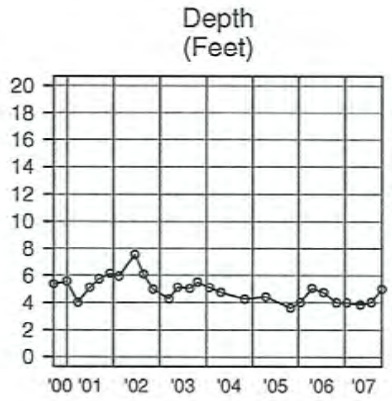

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS
07/24/2007	FMETL	3.07									NS
10/17/2007	FMETL	3.74									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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GW MONITORING
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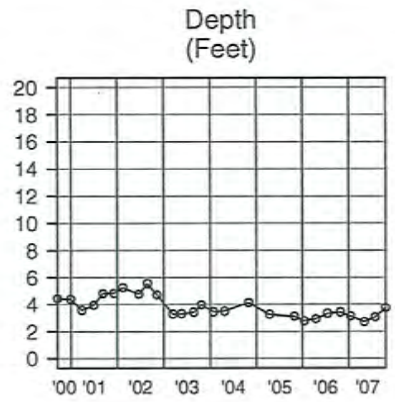

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Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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SELFM-PW-EV

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS
07/24/2007	FMETL	9.35									NS
10/07/2007	FMETL	10.31									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/07/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

690000

11-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/07/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000070

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND	ND	ND	8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
09/07/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.28	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.86	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/17/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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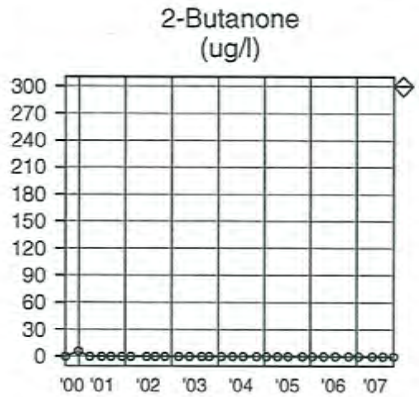

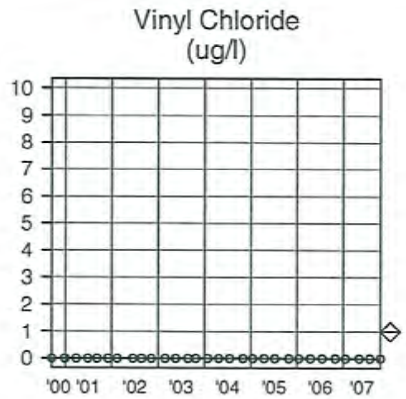

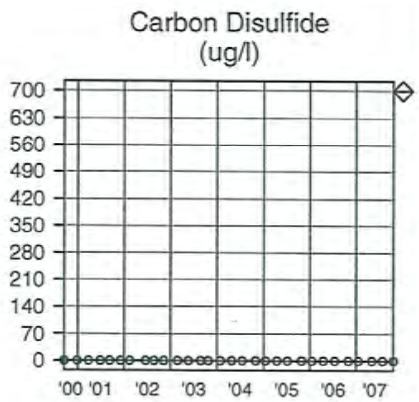

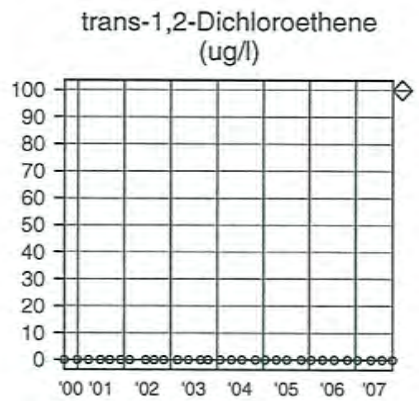

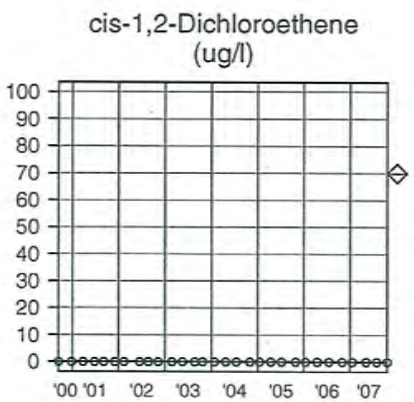

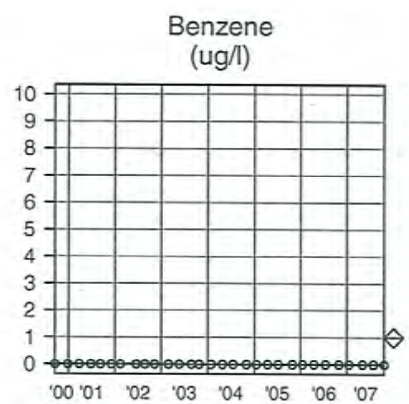

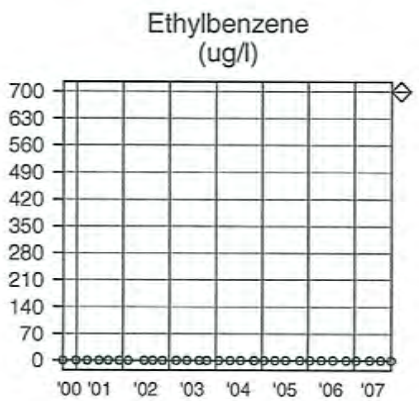

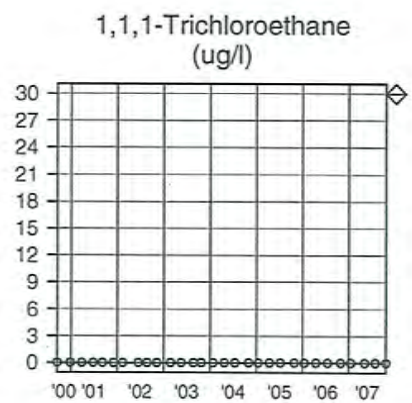

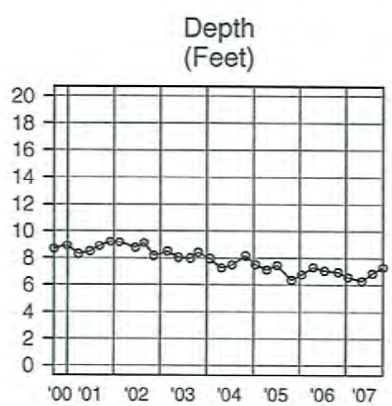

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 10/17/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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FORT MONMOUTH
SELFM-PW-EV

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703
PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8005104	0812MW01	29-42572	02/20/08
8005105	0812MW02	29-42573	02/20/08
Not Sampled	0812MW03	29-42574	----------
8005106	0812MW04	29-42575	02/20/08
8005107	0812MW05	29-42576	02/20/08
8005108	0812MW06	29-42577	02/20/08
8005109	0812MW07	29-42578	02/20/08
8005110	0812MW08	29-42579	02/20/08
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
8005111	0812MW14	29-42888	02/20/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer 4/1/03
Jacqueline Hamer/Date
QA/QC Supervisor

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

SAMPLING

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: JOE FALLON
Phone #: 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 812 1ST QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNIC / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
80051 .01	812 TRIP BLANK	2-20-08	9:00	AQ	2	X								
.02	812 FIELD BLANK	2-20-08	11:30	AQ	2	X								
.03	812 DUP.	2-20-08	—	AQ	2	X								
.04	812 MW#01	2-20-08	15:40	AQ	2	X								29-42572
.05	812 MW#02	2-20-08	16:00	AQ	2	X								29-42573
.06	812 MW#04	2-20-08	14:40	AQ	2	X								29-42575
.07	812 MW#05	2-20-08	13:30	AQ	2	X								29-42576
.08	812 MW#06	2-20-08	11:50	AQ	2	X								29-42577
.09	812 MW#07	2-20-08	13:20	AQ	2	X								29-42578
.10	812* MW#08	2-20-08	11:40	AQ	2	X								29-42579
.11	812 MW#14	2-20-08	15:00	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funic	2/20/08 4:15	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

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000002

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.63 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.99 ft
(40.99) X .65 X 3 =79.93
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:46
pH 7.42 su — TEMP 13.15 °C
DISSOLVED O_2 7.29 mg/L — SPECIFIC CONDUCTIVITY 2028.0 µs/cm

PURGE END TIME: 15:34
pH 7.07 su — TEMP 14.29 °C
DISSOLVED O_2 1.66 mg/L — SPECIFIC CONDUCTIVITY 1961.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.31 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 15:40
pH 7.22 su — TEMP 14.11 °C
DISSOLVED O_2 0.70 mg/L — SPECIFIC CONDUCTIVITY 1937.0 µs/cm

SAMPLE END TIME: 15:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.02 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.89 ft
(41.89) X .65 X 3 = 81.68
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:00
pH 7.45 su
DISSOLVED O_2 6.93 mg/L
TEMP 13.69 °C
SPECIFIC CONDUCTIVITY 1804.0 µs/cm

PURGE END TIME: 15:57
pH 7.22 su
DISSOLVED O_2 4.50 mg/L
TEMP 15.22 °C
SPECIFIC CONDUCTIVITY 1908.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 16:00
pH 7.34 su
DISSOLVED O_2 0.75 mg/L
TEMP 15.29 °C
SPECIFIC CONDUCTIVITY 1938.0 µs/cm

SAMPLE END TIME: 16:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.86 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: gpm
Hnu READING: 0.00 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.12 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.50 ft
(4.50) X .65 X 3 = 8.77
GALLONS OF H_2O TO BE PURGED: 9 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:54
pH 6.89 su — TEMP 7.39 °C
DISSOLVED O_2 6.87 mg/L — SPECIFIC CONDUCTIVITY 913.0 µs/cm

PURGE END TIME: 14:33
pH 7.07 su — TEMP 7.19 °C
DISSOLVED O_2 4.81 mg/L — SPECIFIC CONDUCTIVITY 1031.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 9 gal

SAMPLE START TIME: 14:40
pH 7.02 su — TEMP 7.31 °C
DISSOLVED O_2 4.65 mg/L — SPECIFIC CONDUCTIVITY 1018.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.29 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.30 ft
(9.30) X .65 X 3 =18.13
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:59
pH 4.58 su
TEMP 12.61 °C
DISSOLVED O_2 1.85 mg/L
PECIFIC CONDUCTIVITY 1190.0 µs/cm

PURGE END TIME: 13:22
pH 5.02 su
TEMP 13.30 °C
DISSOLVED O_2 4.04 mg/L
SPECIFIC CONDUCTIVITY 1283.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:30
pH 4.95 su
TEMP 13.40 °C
DISSOLVED O_2 2.95 mg/L
SPECIFIC CONDUCTIVITY 1274.0 µs/cm

SAMPLE END TIME: 13:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.33 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.67 ft
(8.67) X .65 X 3 =16.90
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:24
pH 4.82 su
DISSOLVED O_2 4.90 mg/L
TEMP 12.27 °C
PECIFIC CONDUCTIVITY 5066.0 µs/cm

PURGE END TIME: 11:38
pH 4.54 su
DISSOLVED O_2 5.72 mg/L
TEMP 12.19 °C
SPECIFIC CONDUCTIVITY 5321.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.56 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:50
pH 4.52 su
DISSOLVED O_2 4.14 mg/L
TEMP 12.29 °C
SPECIFIC CONDUCTIVITY 5319.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.50 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.81 ft
(7.81) X .65 X 3 =15.22
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 12:06
pH 5.48 su
TEMP 12.89 °C
DISSOLVED O_2 1.78 mg/L
SPECIFIC CONDUCTIVITY 1156.0 µs/cm

PURGE END TIME: 13:16
pH 5.23 su
TEMP 13.43 °C
DISSOLVED O_2 3.91 mg/L
SPECIFIC CONDUCTIVITY 1309.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 13:20
pH 5.37 su
TEMP 13.52 °C
DISSOLVED O_2 1.79 mg/L
SPECIFIC CONDUCTIVITY 1345.0 µs/cm

SAMPLE END TIME: 13:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.70 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.56 ft
(9.56) X .65 X 3 =18.64
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:14
pH 4.81 su — TEMP 12.74 °C
DISSOLVED O_2 1.92 mg/L — SPECIFIC CONDUCTIVITY 6777.0 µs/cm

PURGE END TIME: 11:37
pH 4.62 su — TEMP 13.68 °C
DISSOLVED O_2 2.45 mg/L — SPECIFIC CONDUCTIVITY 5457.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.24 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:40
pH 4.45 su — TEMP 13.73 °C
DISSOLVED O_2 1.76 mg/L — SPECIFIC CONDUCTIVITY 5575.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.98 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.15 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/20/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.33 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:
(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.
(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA024.D	Sample Name	MB 3/4/08
Operator	ROBERTS	Field ID	Method 624 3/04/08
Date Acquired	4 Mar 2008 9:16 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone	8.01	8746	13.52 ug/L	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone	10.13	17897	7.12 ug/L	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB 3/4/08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: MB 3/4/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA024.D

Level: (low/med) LOW Date Received: 3/4/2008

% Moisture: not dec. _____ Date Analyzed: 3/4/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA025.D	Sample Name	8005101
Operator	ROBERTS	Field ID	812 TRIP BLANK
Date Acquired	4 Mar 2008 9:53 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 TRIP BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005101

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA025.D

Level: (low/med) LOW Date Received: 2/20/2008

% Moisture: not dec. _____ Date Analyzed: 3/4/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA026.D	Sample Name	8005102
Operator	ROBERTS	Field ID	812 FIELD BLANK
Date Acquired	4 Mar 2008 10:31 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 FIELD BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA026.D

Level: (low/med) LOW Date Received: 2/20/2008

% Moisture: not dec. _____ Date Analyzed: 3/4/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA027.D	Sample Name	8005104
Operator	ROBERTS	Field ID	MW #01
Date Acquired	4 Mar 2008 11:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#01

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005104

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA027.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/4/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA028.D	Sample Name	8005105
Operator	ROBERTS	Field ID	MW #02
Date Acquired	4 Mar 2008 11:45 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#02

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA028.D

Level: (low/med) LOW Date Received: 2/20/2008

% Moisture: not dec. _____ Date Analyzed: 3/4/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA029.D	Sample Name	8005106
Operator	ROBERTS	Field ID	MW #04
Date Acquired	5 Mar 2008 12:23 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#04

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA029.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/5/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA030.D	Sample Name	8005107
Operator	ROBERTS	Field ID	MW #05
Date Acquired	5 Mar 2008 1:00 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	8.87	10183	1.31 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#05

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005107

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA030.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/5/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA031.D	Sample Name	8005108
Operator	ROBERTS	Field ID	MW #06
Date Acquired	5 Mar 2008 1:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#06

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005108

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA031.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/5/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA032.D	Sample Name	8005109
Operator	ROBERTS	Field ID	MW #07
Date Acquired	5 Mar 2008 2:15 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#07

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005109

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA032.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/5/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA033.D	Sample Name	8005110
Operator	ROBERTS	Field ID	MW #08
Date Acquired	5 Mar 2008 2:52 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.21	10255	0.85 ug/L	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005110

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA033.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/5/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

ata File	VA034.D	Sample Name	8005111
perator	ROBERTS	Field ID	MW #14
Date Acquired	5 Mar 2008 3:30 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#14

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80051

Matrix: (soil/water) WATER Lab Sample ID: 8005111

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA034.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 3/5/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND	ND	ND	8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.39	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.96	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.63	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

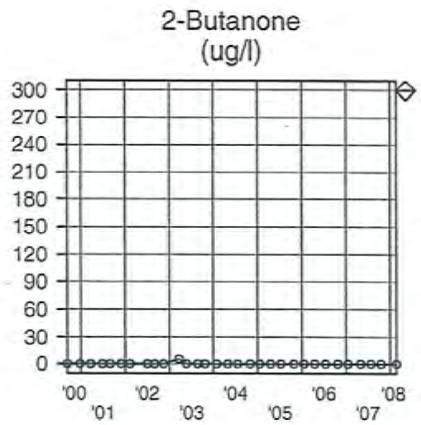
GW MONITORING
M-8 Bldg 697

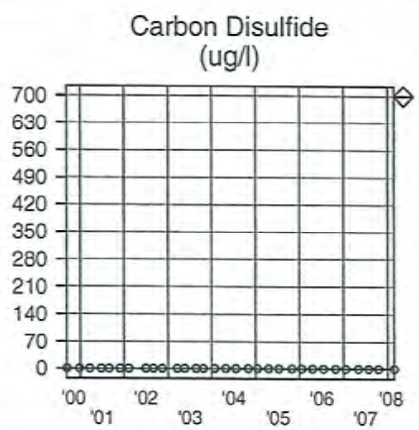
Source 12 of 14

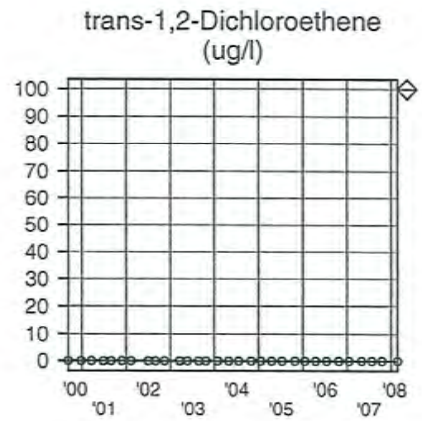
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

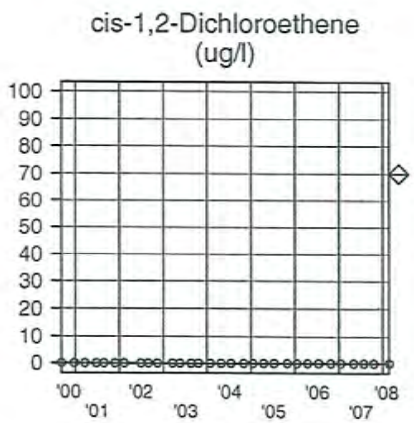
04-01-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

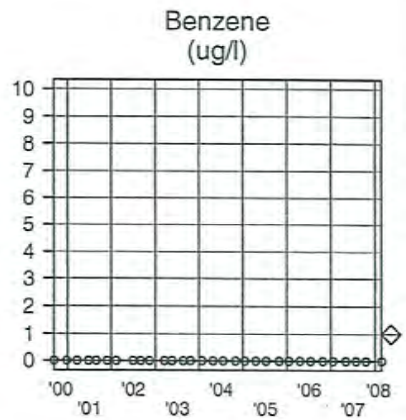
000039

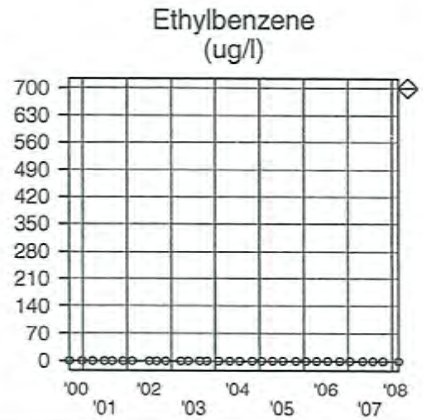


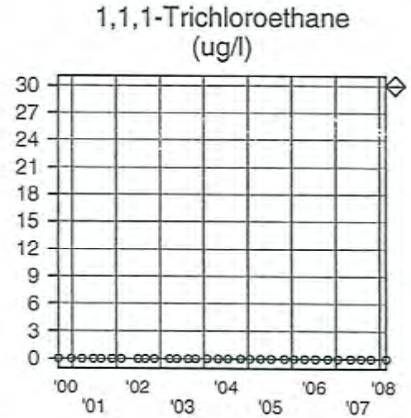


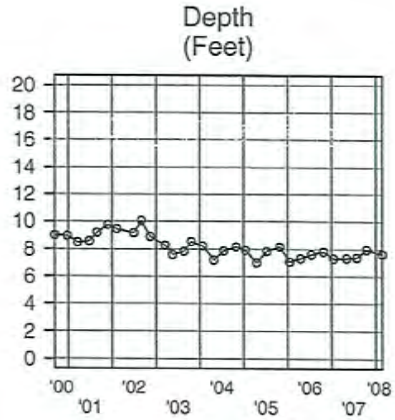












SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-01-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000040

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/09/2000	FMETL	ND	ND	4.27	ND	ND	ND	ND	ND	6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.48	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

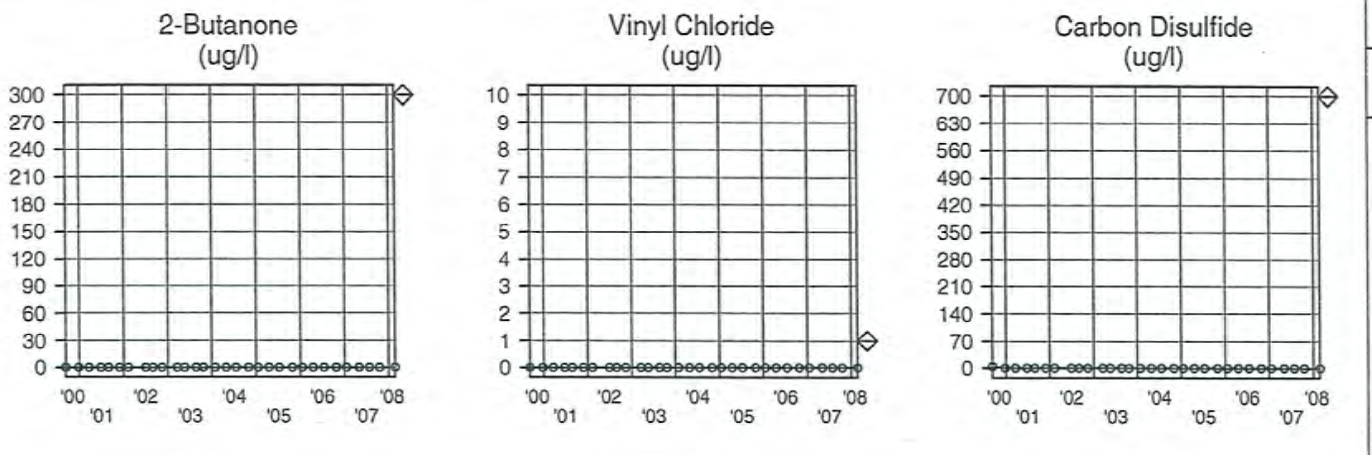
GW MONITORING
M-8 Bldg 697

Source 13 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000041

04-01-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF



SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-01-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000042

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS
07/24/2007	FMETL	5.56									NS
10/17/2007	FMETL	6.11									NS
02/20/2008	FMETL	5.86									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 02/20/2008

NOTES:

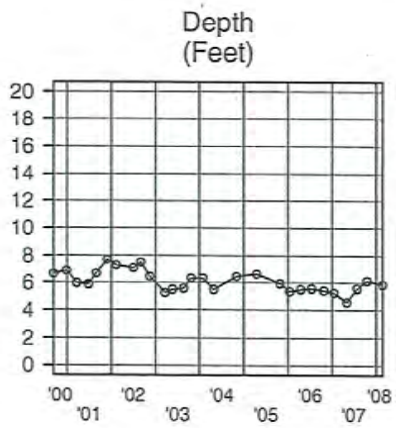
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-01-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000044

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58	136.41	ND	4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17	72.16	ND	4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND	20.48	ND	3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND	8.70	ND	5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	1.84	101.33	196.94	6.75	126.76	ND	4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51	53.78	ND	5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87	98.1	ND	4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04	182.38	ND	4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43	94.11	ND	4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND	1.24	ND	3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	38.58	ND	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	321.42	5.09	6.38	37.35	ND	9.01	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	9.55	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	1.02	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	50.49	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	32.42	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	45.57	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	48.96	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	0.52	ND	2.42	V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	37.64	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	ND	1.22	ND	3.25	ND	3.33	V
10/25/2006	FMETL	ND	17.17	ND	0.75	0.39	0.92	17.80	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	ND	1.48	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.53	V
10/17/2007	FMETL	ND	ND	ND	0.81	0.66	2.80	46.78	ND	4.56	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.12	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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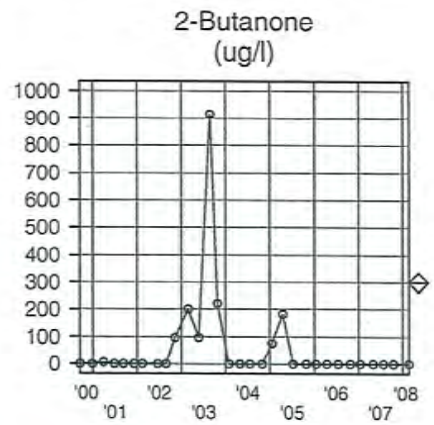

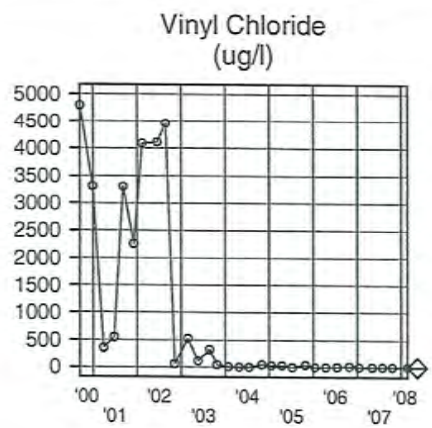

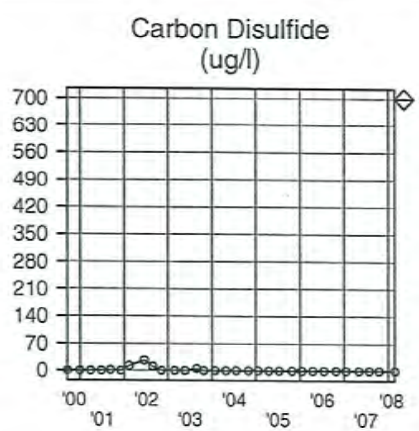

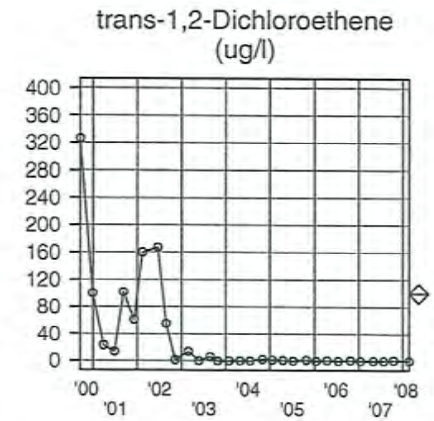

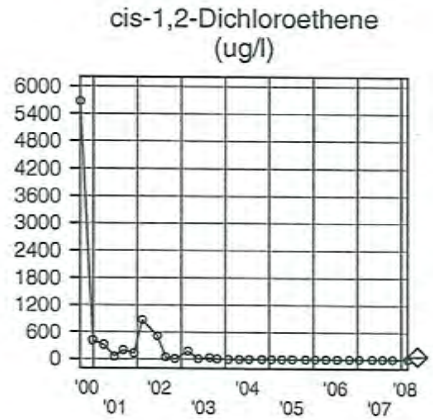

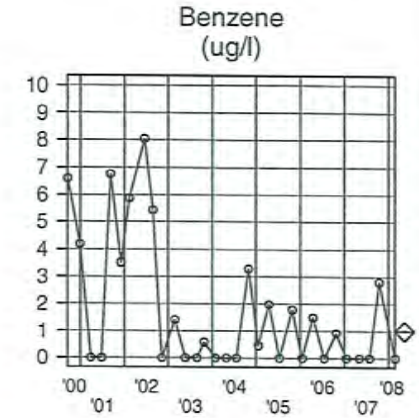

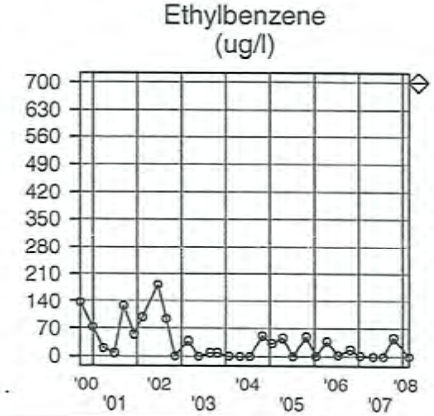

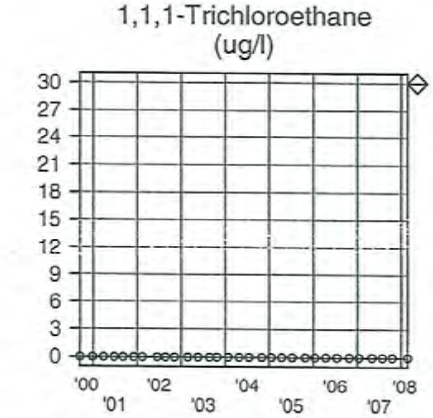

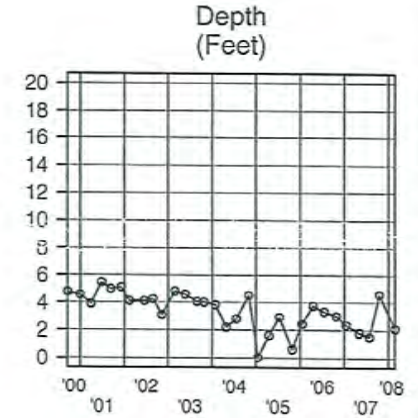

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 02/20/2008

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NJDEP Criteria

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	13.04	9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.58	10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	5.77	8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	4.62	8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	10.94	9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.06	11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	2.27	10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	5.66	10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	5.83	11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	29.36	9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	4.93	ND	ND	ND	ND	14.49	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	8.16	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	16.8	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	9.47	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	17.26	8.78	V
04/22/2004	FMETL	123.5	ND	5.69	ND	ND	ND	ND	32.95	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	38.23	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	11.17	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	32.14	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	48.92	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	0.28	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	3.03	7.20	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.69	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.47	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.29	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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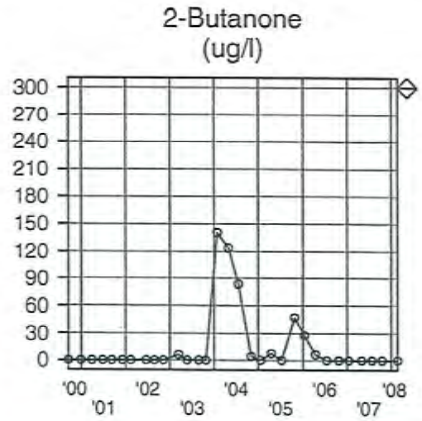

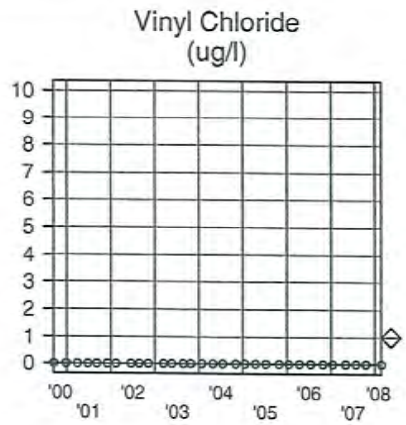

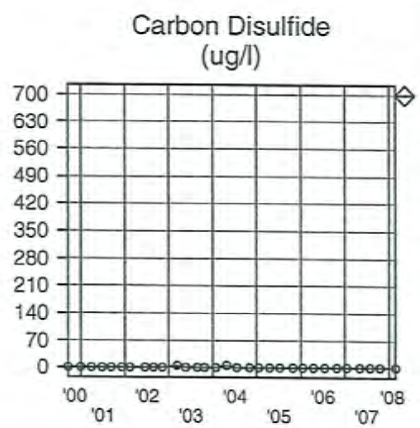

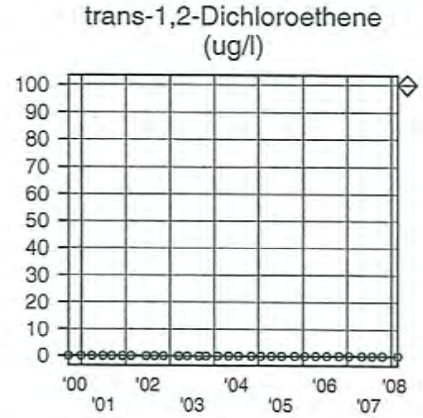

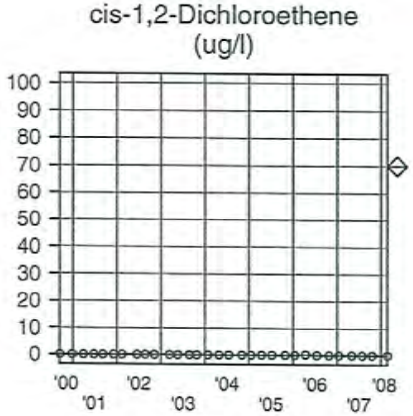

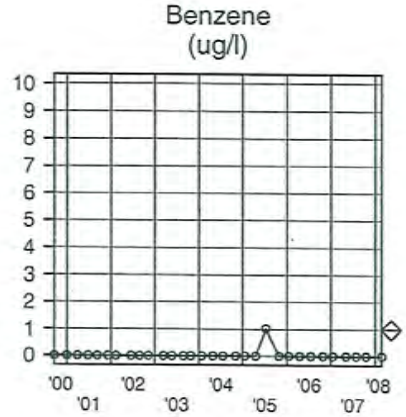

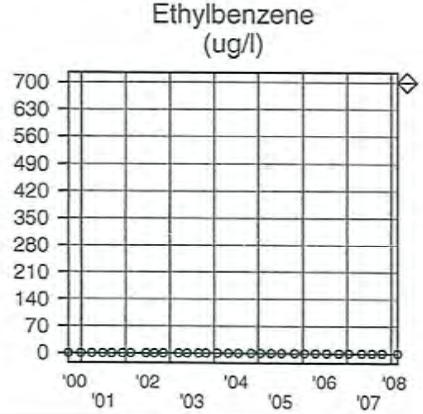

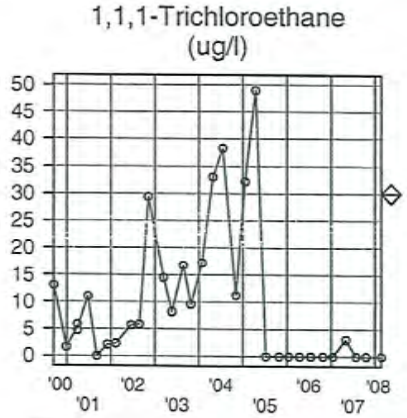

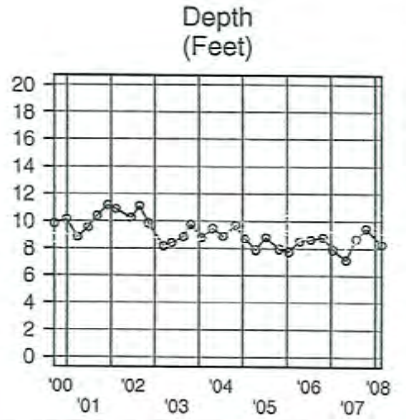

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.14	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.33	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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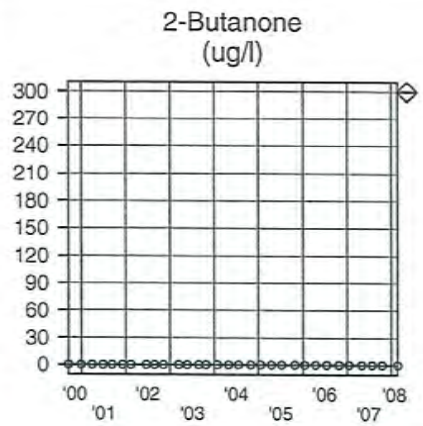

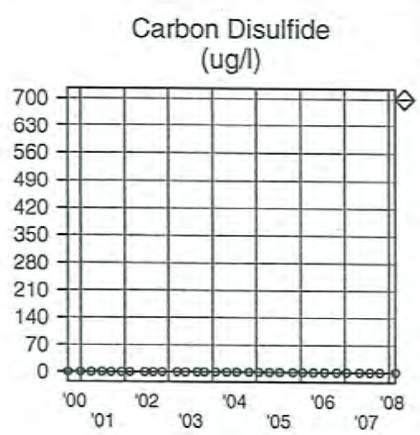

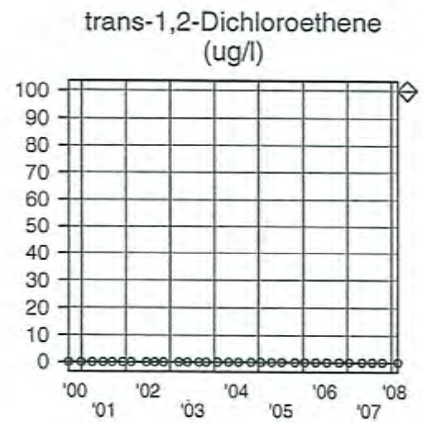

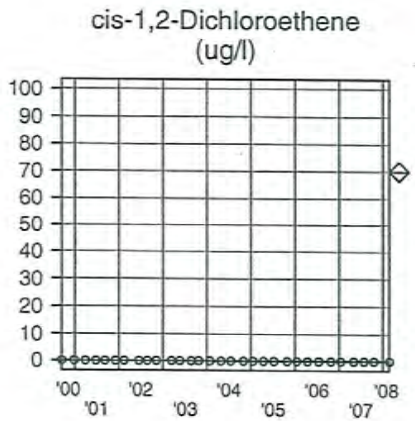

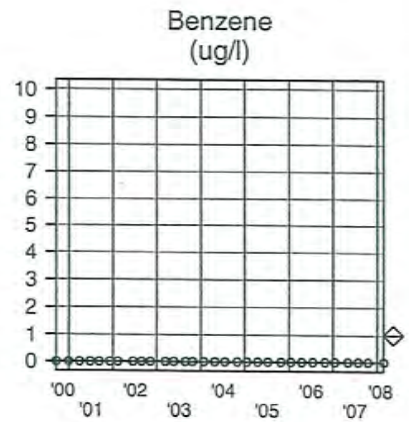

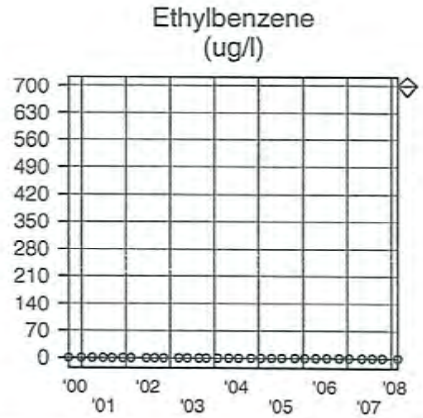

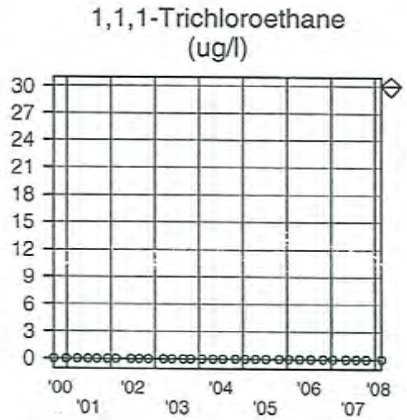

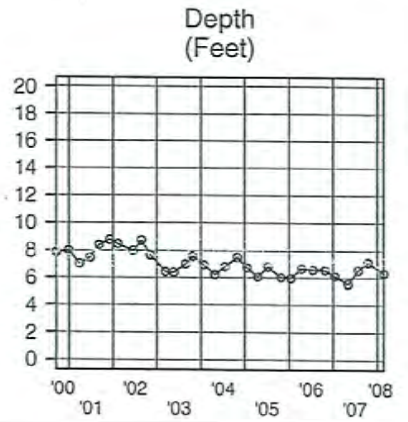

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	11.29	11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	2.91	11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	4.49	10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	3.24	10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	ND	ND	ND	ND	11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	18.81	11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	11.38	11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	5.26	10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	8.27	ND	ND	ND	ND	12.84	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	17.95	ND	ND	ND	ND	2.37	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	15.54	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	1.44	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	1.12	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	0.91	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	0.64	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.22	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.50	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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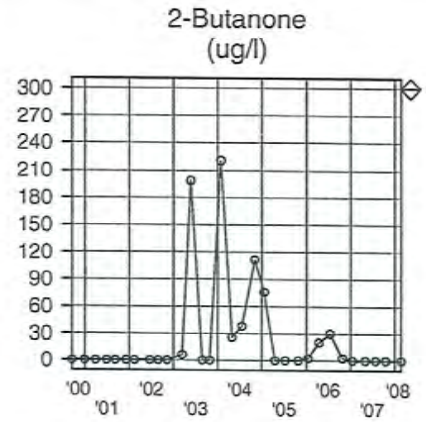

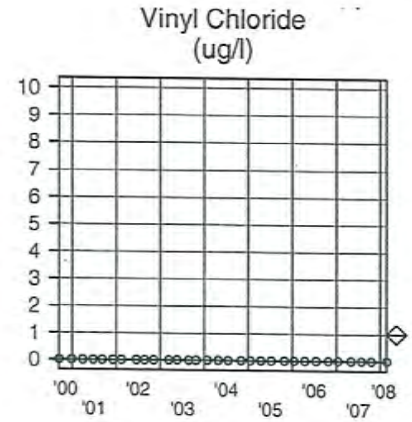

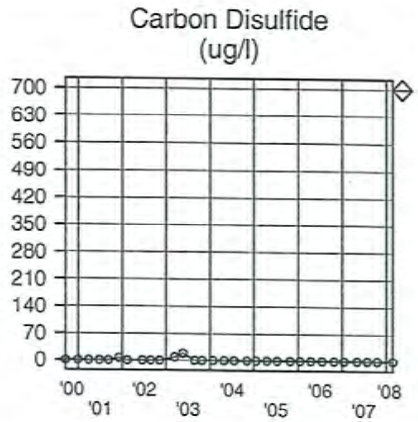

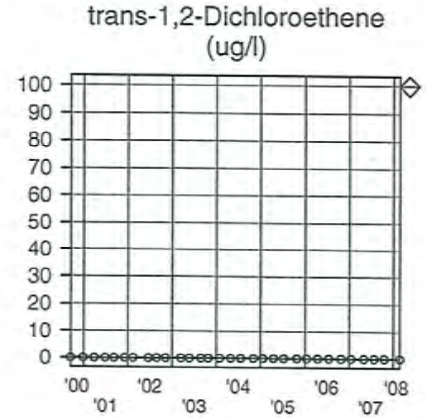

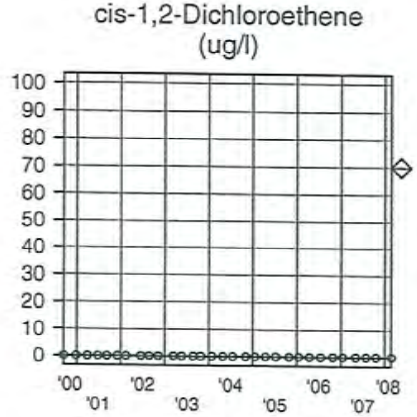

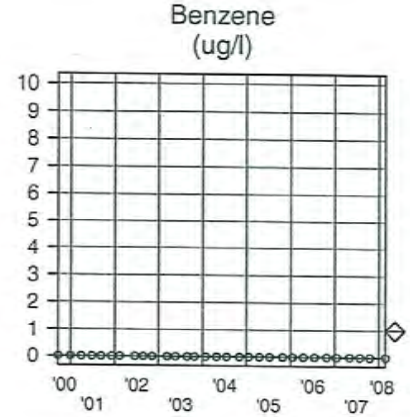

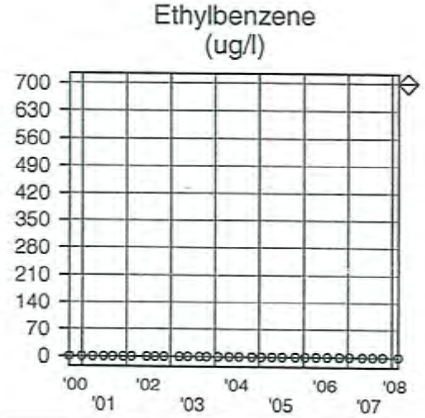

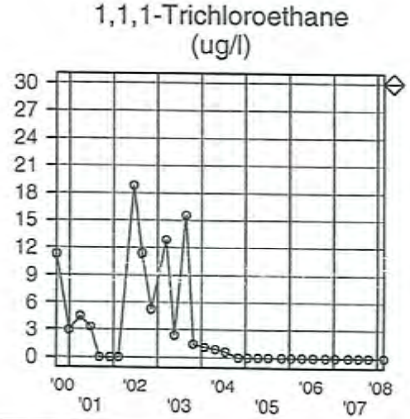

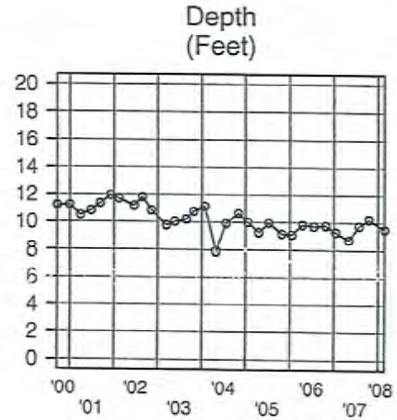

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	3.06	ND	ND	ND	ND	ND	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.39	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.70	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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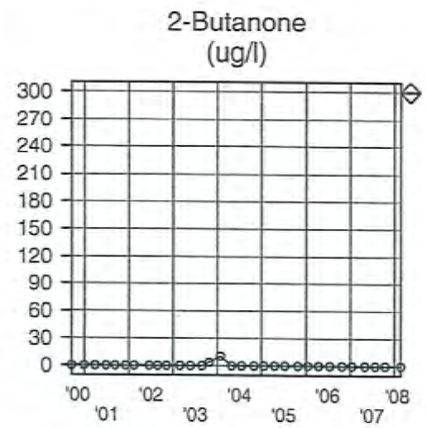
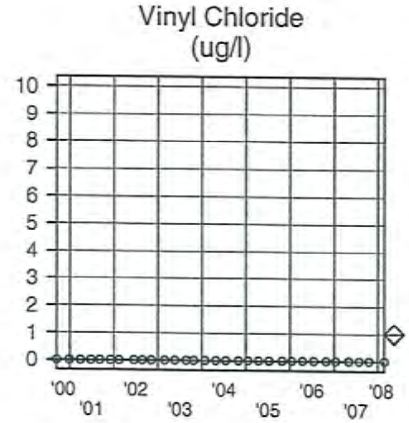
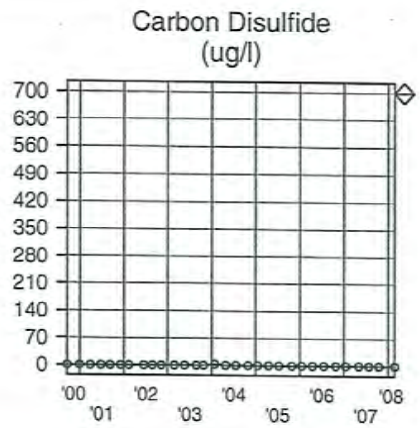
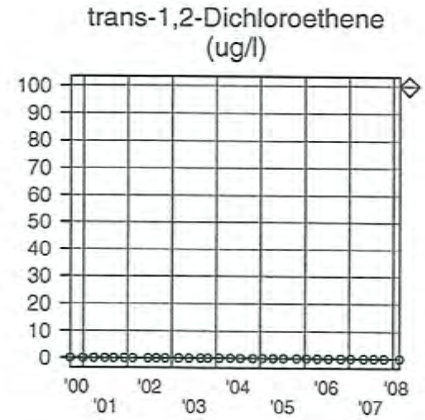
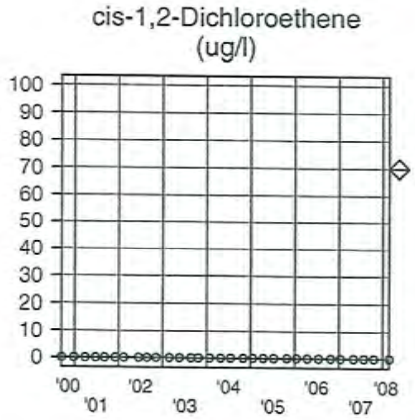
000053

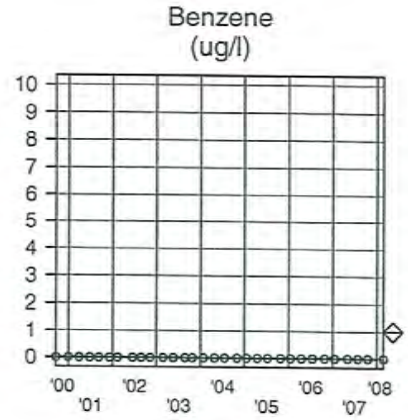


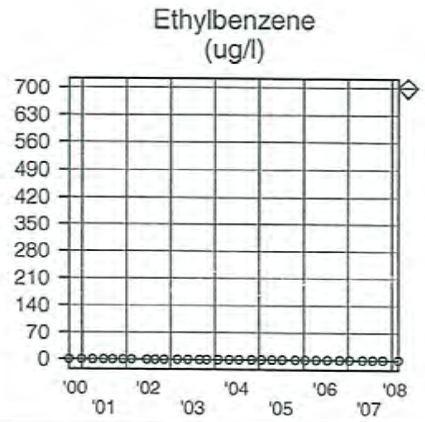


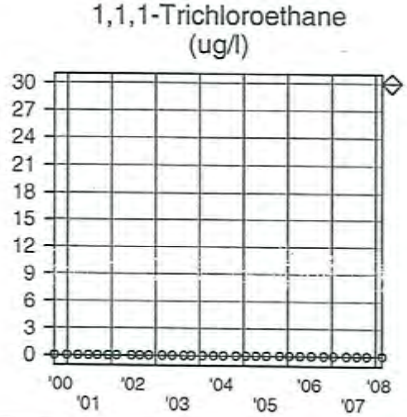


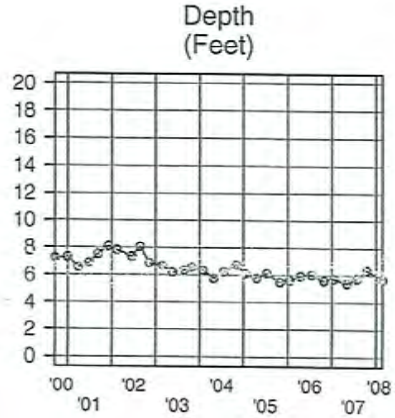












SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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000054

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS
07/24/2007	FMETL	5.04									NS
10/17/2007	FMETL	5.18									NS
02/20/2008	FMETL	4.91									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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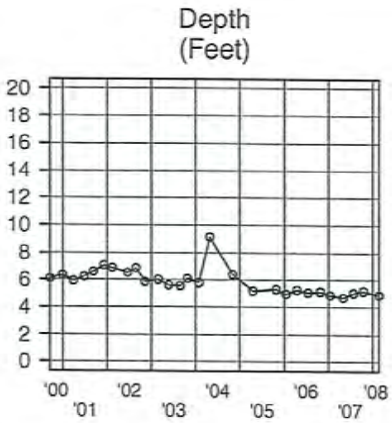
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000056

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS
07/24/2007	FMETL	5.90									NS
10/17/2007	FMETL	6.04									NS
02/20/2008	FMETL	5.98									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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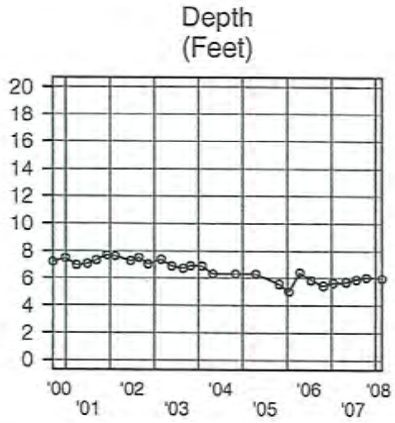
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 2 of 14, Graph

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FORT MONMOUTH
SELFM-PW-EV

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000058

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS
07/24/2007	FMETL	4.02									NS
10/17/2007	FMETL	5.01									NS
02/20/2008	FMETL	4.15									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

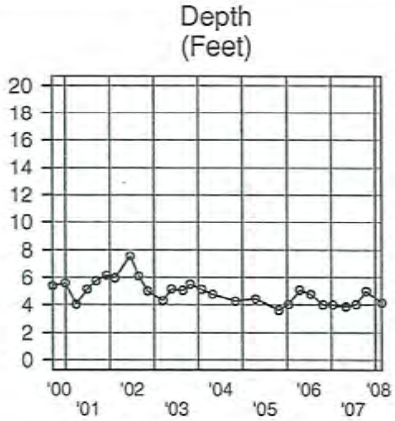
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000060

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS
07/24/2007	FMETL	3.07									NS
10/17/2007	FMETL	3.74									NS
02/20/2008	FMETL	NS									3.33

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000062

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS
07/24/2007	FMETL	9.35									NS
10/07/2007	FMETL	10.31									NS
02/20/2008	FMETL	9.08									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

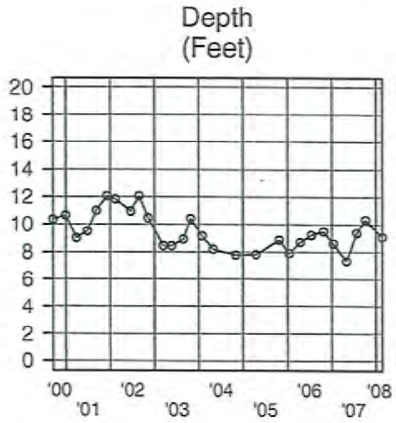
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000063



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-01-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000064

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Ethyl benzene	1,1,1-Tri chloro ethane	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	700	30	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND	ND	ND	8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
09/07/2001D	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.28	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.86	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.72	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 02/20/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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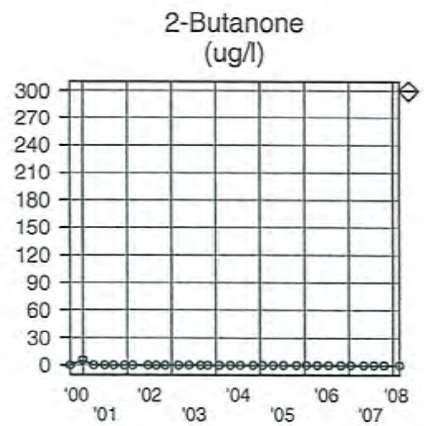

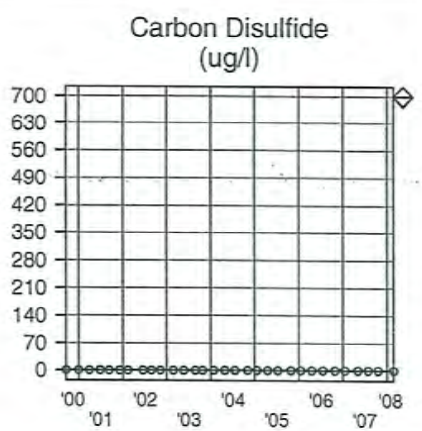

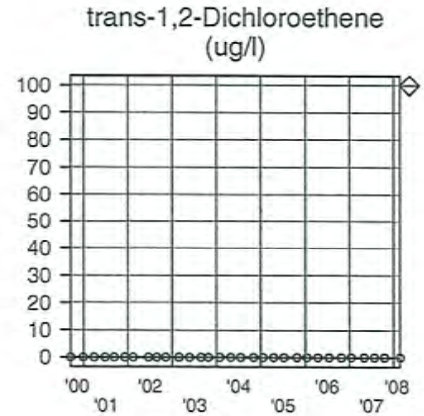

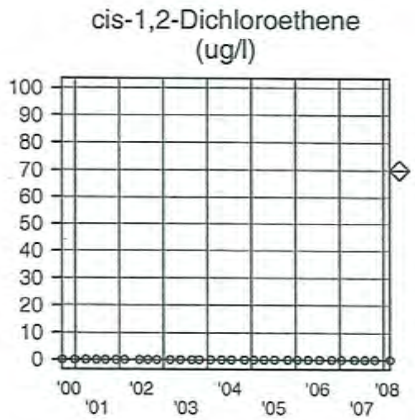

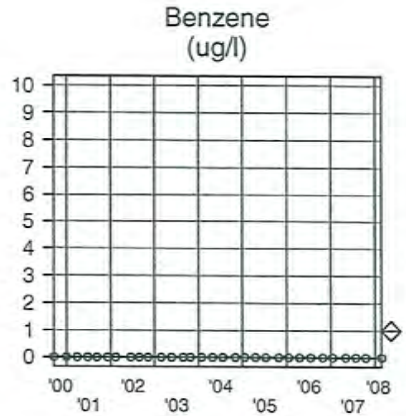

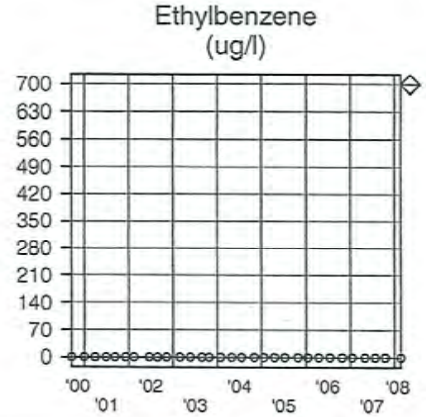

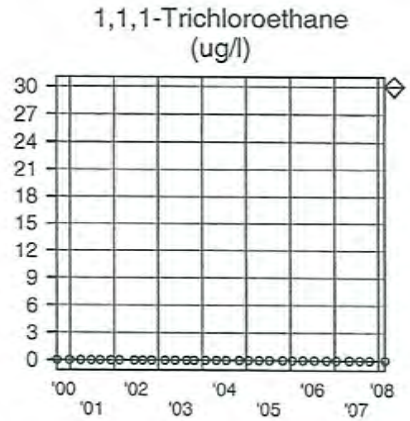

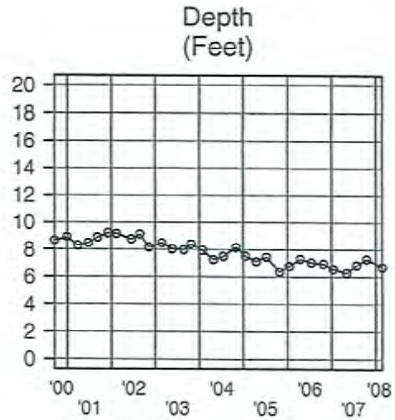

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 02/20/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000066

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8012004	0812MW01	29-42572	04/09/08
8012005	0812MW02	29-42573	04/09/08
Not Sampled	0812MW03	29-42574	----------
8012006	0812MW04	29-42575	04/09/08
8012007	0812MW05	29-42576	04/09/08
8012008	0812MW06	29-42577	04/09/08
8012009	0812MW07	29-42578	04/09/08
8012010	0812MW08	29-42579	04/09/08
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
8012011	0812MW14	29-42888	04/09/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer 4/15/08
Jacqueline Hamer/Date:
QA/QC Supervisor

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

SAMPLING

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:jacqueline.hamer@us.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: JOE FALLON
Phone #: 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 2ND QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
80120 .01	812 TRIP BLANK	04-09-08	10:10	AQ	2	X								
.02	812 FIELD BLANK	04-09-08	10:40	AQ	2	X								
.03	812 DUP	04-09-08	—	AQ	2	X								
.04	812 MW#01*	04-09-08	15:00	AQ	2	X								29-42572
.05	812 MW#02	04-09-08	15:20	AQ	2	X								29-42573
.06	812 MW#04	04-09-08	14:00	AQ	2	X								29-42575
.07	812 MW#05	04-09-08	12:40	AQ	2	X								29-42576
.08	812 MW#06	04-09-08	11:00	AQ	2	X								29-42577
.09	812 MW#07	04-09-08	12:50	AQ	2	X								29-42578
.10	812 MW#08	04-09-08	10:50	AQ	2	X								29-42579
.11	812 MW#14	04-09-08	14:30	AQ	2	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	4/09/08 15:40	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____Hrs.

Remarks:

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U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.76 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.86 ft
(40.86) X .65 X 3 =79.67
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:06
pH 8.35 su — TEMP 12.80 °C
DISSOLVED O_2 2.84 mg/L — SPECIFIC CONDUCTIVITY 2054.0 µs/cm

PURGE END TIME: 14:54
pH 7.26 su — TEMP 14.23 °C
DISSOLVED O_2 0.97 mg/L — SPECIFIC CONDUCTIVITY 1958.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 15:00
pH 7.25 su — TEMP 14.49 °C
DISSOLVED O_2 0.59 mg/L — SPECIFIC CONDUCTIVITY 1923.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.63 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 42.28 ft
(42.28) X .65 X 3 = 82.44
GALLONS OF H_2O TO BE PURGED: 83 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: 09:18
pH 8.04 su — TEMP 13.33 °C
DISSOLVED O_2 3.72 mg/L — SPECIFIC CONDUCTIVITY 1868.0 µs/cm

PURGE END TIME: 15:19
pH 7.22 su — TEMP 15.05 °C
DISSOLVED O_2 2.05 mg/L — SPECIFIC CONDUCTIVITY 1921.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.33 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 83 gal

SAMPLE START TIME: 15:20
pH 7.33 su — TEMP 15.15 °C
DISSOLVED O_2 0.91 mg/L — SPECIFIC CONDUCTIVITY 1925.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.23 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTIALIC
PURGE RATE: gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 2.87 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.75 ft
(3.75) X .65 X 3 = 7.31
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:26
pH 6.88 su — TEMP 10.65 °C
DISSOLVED O_2 5.37 mg/L — SPECIFIC CONDUCTIVITY 1387.0 µs/cm

PURGE END TIME: 13:56
pH 6.77 su — TEMP 10.60 °C
DISSOLVED O_2 2.44 mg/L — SPECIFIC CONDUCTIVITY 1440.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.22 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 14:00
pH 6.81 su — TEMP 10.68 °C
DISSOLVED O_2 2.45 mg/L — SPECIFIC CONDUCTIVITY 1348.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.32 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.27 ft
(9.27) X .65 X 3 =18.07
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:11
pH 4.26 su — TEMP 12.04 °C
DISSOLVED O_2 2.30 mg/L — PECIFIC CONDUCTIVITY 9964.0 µs/cm

PURGE END TIME: 12:29
pH 4.64 su — TEMP 12.60 °C
DISSOLVED O_2 6.49 mg/L — SPECIFIC CONDUCTIVITY 9902.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.96 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:40
pH 4.57 su — TEMP 12.67 °C
DISSOLVED O_2 5.49 mg/L — SPECIFIC CONDUCTIVITY 9938.0 µs/cm

SAMPLE END TIME: 12:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.36 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.64 ft
(8.64) X .65 X 3 =16.84
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:35
pH 4.92 su
TEMP 11.88 °C
DISSOLVED O_2 4.31 mg/L
PECIFIC CONDUCTIVITY 4167.0 µs/cm

PURGE END TIME: 10:49
pH 4.26 su
TEMP 11.99 °C
DISSOLVED O_2 5.73 mg/L
SPECIFIC CONDUCTIVITY 4739.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:00
pH 4.25 su
TEMP 12.10 °C
DISSOLVED O_2 3.50 mg/L
SPECIFIC CONDUCTIVITY 4697.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.54 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.77 ft
(7.77) X .65 X 3 =15.15
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:26
pH 4.74 su — TEMP 12.33 °C
DISSOLVED O_2 2.04 mg/L — SPECIFIC CONDUCTIVITY 9869.0 µs/cm

PURGE END TIME: 12:36
pH 4.92 su — TEMP 12.98 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 9921.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.95 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM A) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 12:50
pH 4.94 su — TEMP 13.00 °C
DISSOLVED O_2 2.64 mg/L — SPECIFIC CONDUCTIVITY 9951.0 µs/cm

SAMPLE END TIME: 12:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.90 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.36 ft
(9.36) X .65 X 3 =18.25
GALLONS OF H_2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:26
pH 5.21 su — TEMP 13.08 °C
DISSOLVED O_2 2.48 mg/L — SPECIFIC CONDUCTIVITY 6167.0 µs/cm

PURGE END TIME: 10:49
pH 3.95 su — TEMP 13.26 °C
DISSOLVED O_2 4.02 mg/L — SPECIFIC CONDUCTIVITY 6197.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.22 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:50
pH 3.92 su — TEMP 13.71 °C
DISSOLVED O_2 1.97 mg/L — SPECIFIC CONDUCTIVITY 6449.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.06 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.95 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.58 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.26 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.76 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/09/08
WEATHER: Cloudy and cool.
TIDE: Low

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.85 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.80 ft
(7.80) X .65 X 3 =15.21
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:19
pH 5.96 su — TEMP 12.17 °C
DISSOLVED O_2 4.90 mg/L — SPECIFIC CONDUCTIVITY 4418.0 µs/cm

PURGE END TIME: 14:29
pH 6.51 su — TEMP 12.41 °C
DISSOLVED O_2 5.51 mg/L — SPECIFIC CONDUCTIVITY 4404.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.03 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 14:30
pH 6.43 su — TEMP 12.37 °C
DISSOLVED O_2 3.84 mg/L — SPECIFIC CONDUCTIVITY 4478.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA567.D	Sample Name	MB 4/10/08
Operator	ROBERTS	Field ID	METHOD 624 4/10/08
Date Acquired	10 Apr 2008 10:34 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB 4/10/08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: MB 4/10/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA567.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA568.D	Sample Name	8012001
Operator	ROBERTS	Field ID	812 TRIP BLANK
Date Acquired	10 Apr 2008 11:19 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone	10.13	9376	2.11 ug/L	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 TRIP BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA568.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA569.D	Sample Name	8012002
Operator	ROBERTS	Field ID	812 FIELD BLANK
Date Acquired	10 Apr 2008 11:50 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone	10.13	9323	2.23 ug/L	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 FIELD BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA569.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA570.D	Sample Name	8012003
Operator	ROBERTS	Field ID	812 DUP
Date Acquired	10 Apr 2008 12:21 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 DUP

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA570.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA571.D	Sample Name	8012004
Operator	ROBERTS	Field ID	812 MW#01
Date Acquired	10 Apr 2008 12:53 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#01

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA571.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA572.D	Sample Name	8012005
Operator	ROBERTS	Field ID	812 MW#02
Date Acquired	10 Apr 2008 1:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW#02

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA572.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA573.D	Sample Name	8012006
Operator	ROBERTS	Field ID	812 MW#04
Date Acquired	10 Apr 2008 1:55 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#04

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA573.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA574.D	Sample Name	8012007
Operator	ROBERTS	Field ID	812 MW#05
Date Acquired	10 Apr 2008 3:04 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.39	93222	10.69 ug/L	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	8.86	297746	18.89 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane	10.07	28482	1.49 ug/L	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#05

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA574.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA579.D	Sample Name	8012008
Operator	ROBERTS	Field ID	812 MW#06
Date Acquired	10 Apr 2008 5:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#06

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA579.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA580.D	Sample Name	8012009
Operator	ROBERTS	Field ID	812 MW#07
Date Acquired	10 Apr 2008 6:28 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	8.86	25116	1.16 ug/L	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#07

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA580.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA581.D	Sample Name	8012010
Operator	ROBERTS	Field ID	812 MW#08
Date Acquired	10 Apr 2008 7:00 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.21	16549	0.42 ug/L	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA581.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA582.D	Sample Name	8012011
Operator	ROBERTS	Field ID	812 MW#14
Date Acquired	10 Apr 2008 7:31 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	0.85 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	0.80 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	1.82 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.23 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.27 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	1.43 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.47 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.30 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.85 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.44 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.21 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.23 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.25 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.31 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.14 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.28 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.43 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.17 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.33 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.21 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.13 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.15 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.14 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.53 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.27 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.22 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.31 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.34 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.42 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.17 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.15 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.28 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.34 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.15 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.20 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.34 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.34 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.38 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#14

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80120

Matrix: (soil/water) WATER Lab Sample ID: 8012011

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA582.D

Level: (low/med) LOW Date Received: 4/9/2008

% Moisture: not dec. _____ Date Analyzed: 4/10/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND			8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.39	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.96	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.63	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.76	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
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000044

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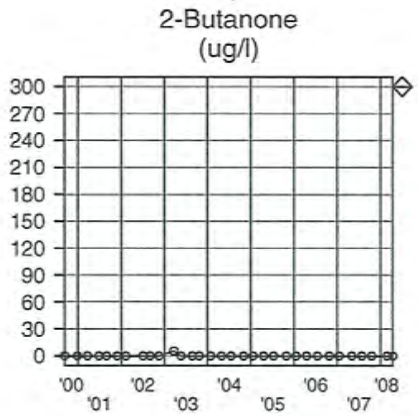

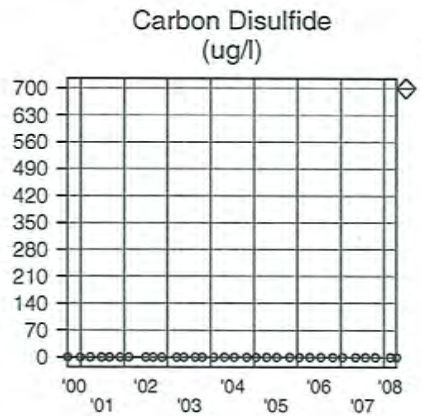

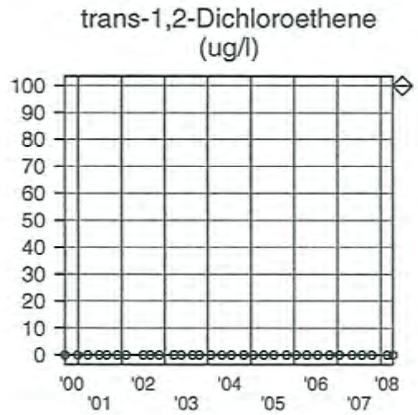

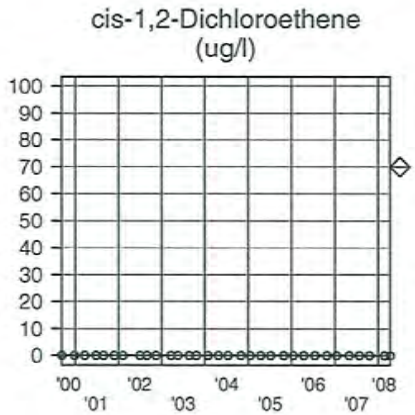

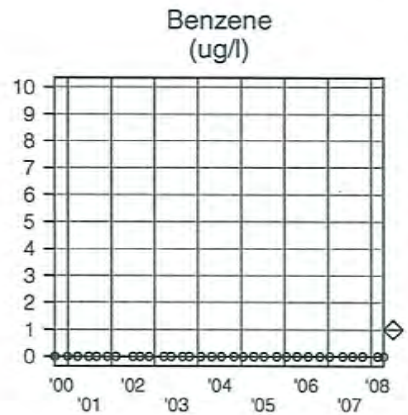

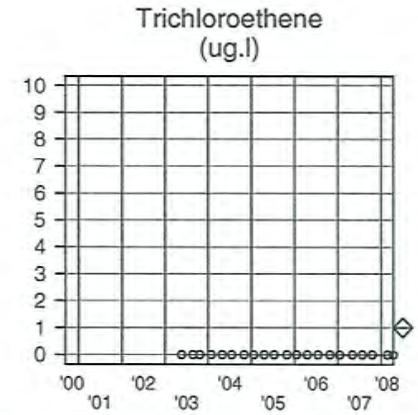

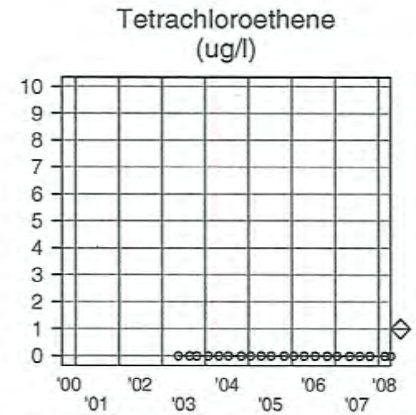

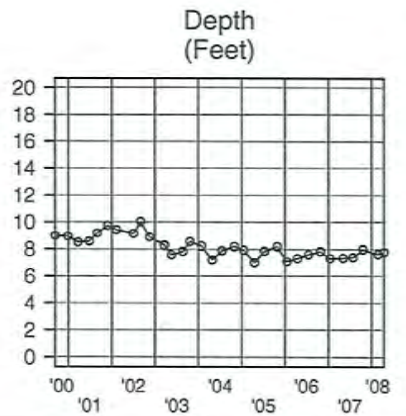

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	4.27	ND	ND	ND			6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND			5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.48	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.63	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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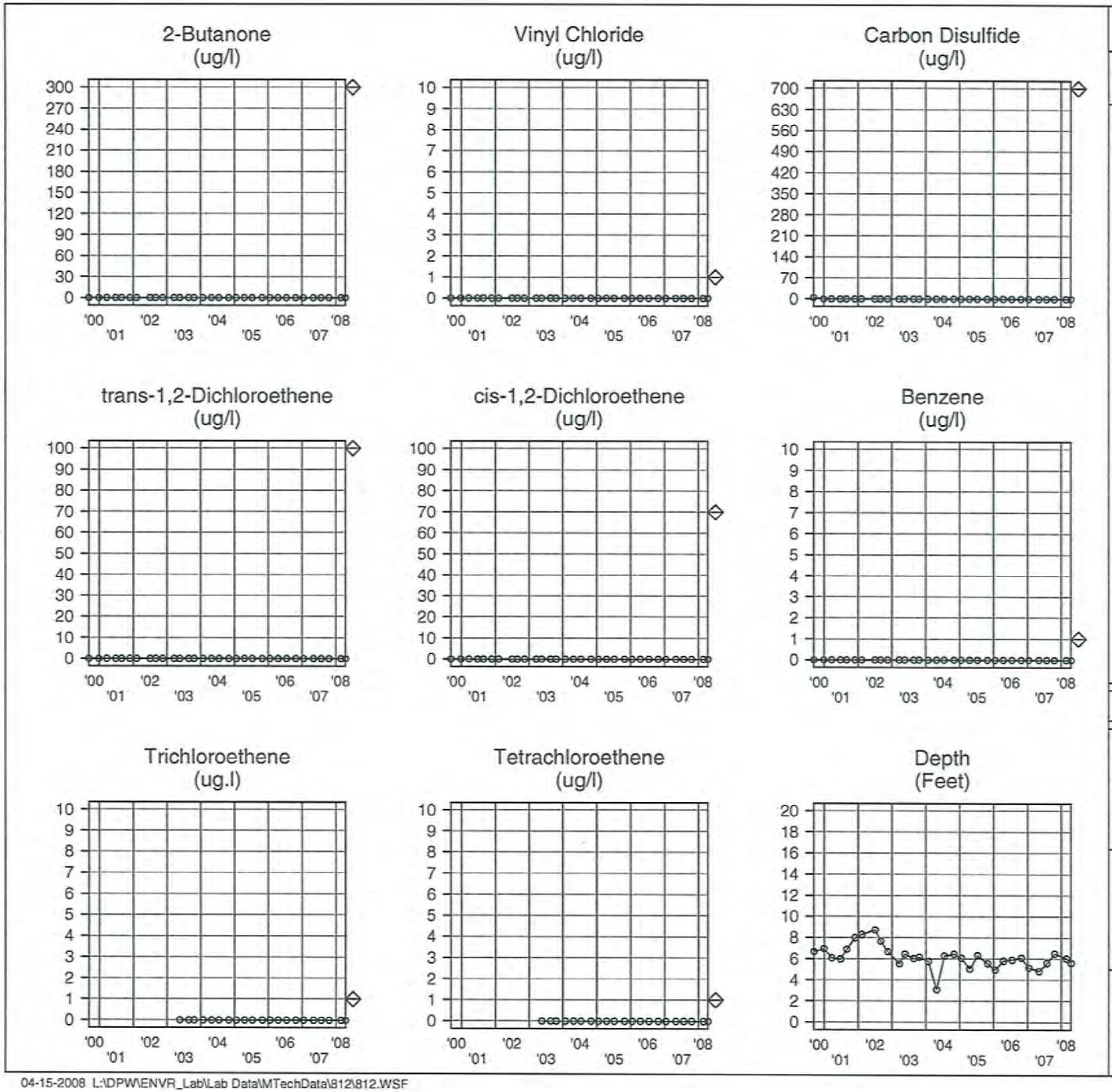

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS
07/24/2007	FMETL	5.56									NS
10/17/2007	FMETL	6.11									NS
02/20/2008	FMETL	5.86									NS
04/09/2008	FMETL	5.23									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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FORT MONMOUTH
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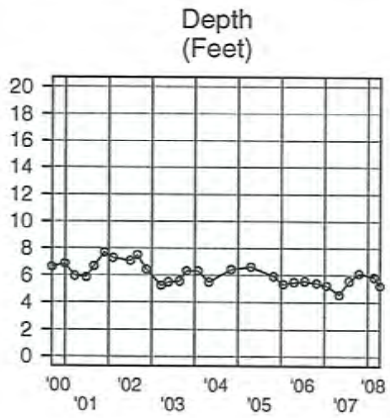

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58			4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17			4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND			3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND			5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	1.84	101.33	196.94	6.75			4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51			5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87			4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04			4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43			4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	321.42	5.09	6.38	37.35	ND	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	ND	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	ND	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	ND	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	ND	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	ND	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	ND	ND	2.42	V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	ND	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	ND	1.22	ND	ND	ND	3.33	V
10/25/2006	FMETL	ND	17.17	ND	0.75	0.39	0.92	ND	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	ND	ND	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.53	V
10/17/2007	FMETL	ND	ND	ND	0.81	0.66	2.80	ND	ND	4.56	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.12	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.87	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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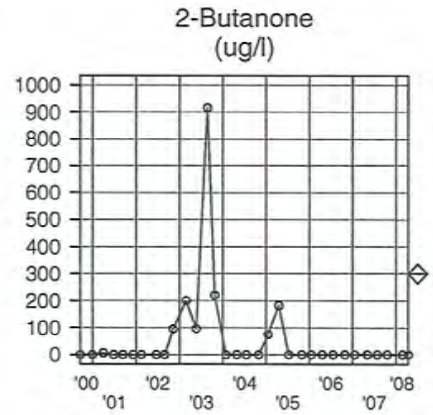

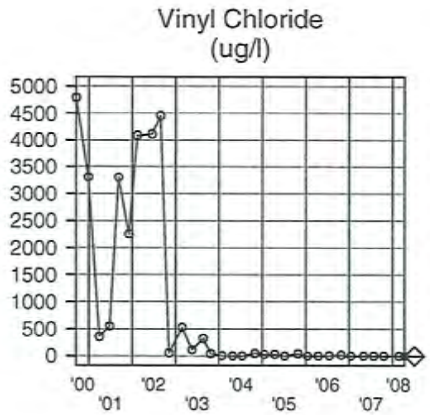

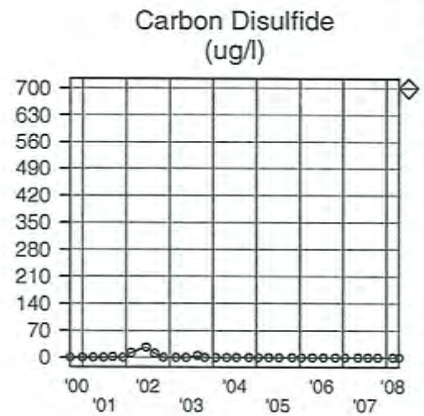

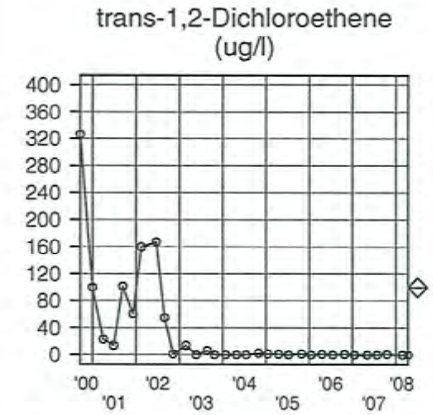

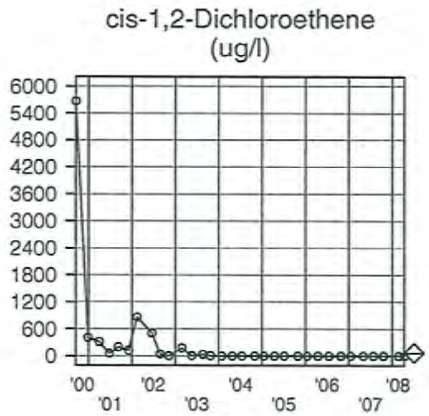

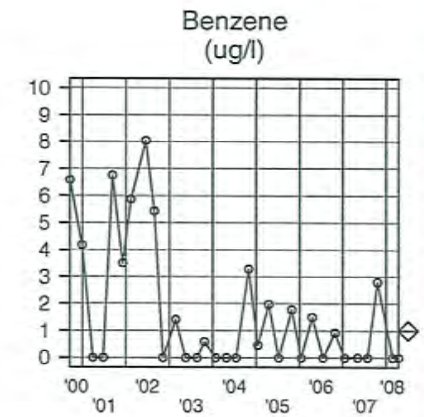

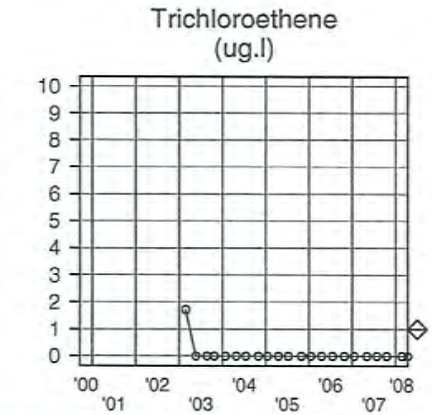

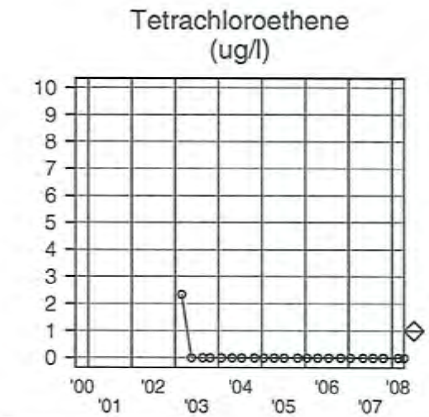

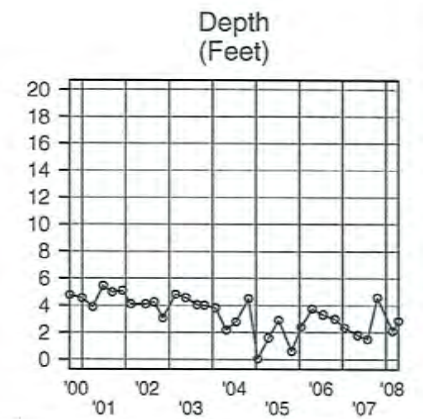

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 11 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000051

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	4.93	ND	ND	ND	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	5.69	ND	ND	ND	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	ND	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.20	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.69	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.47	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.29	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.32	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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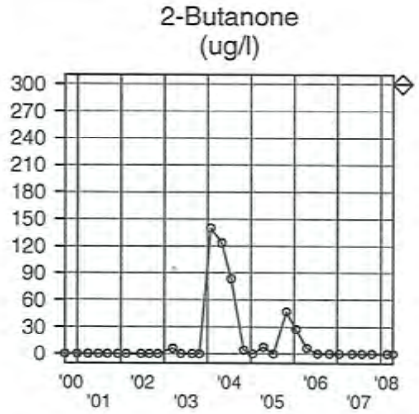
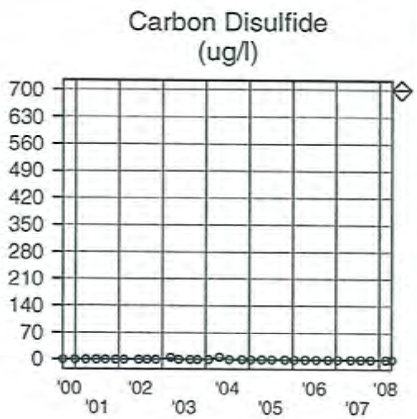
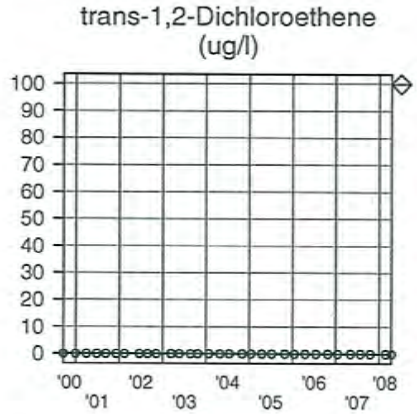
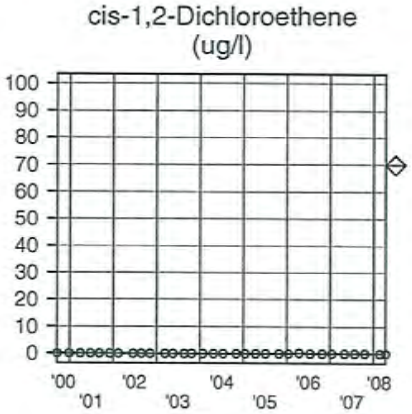
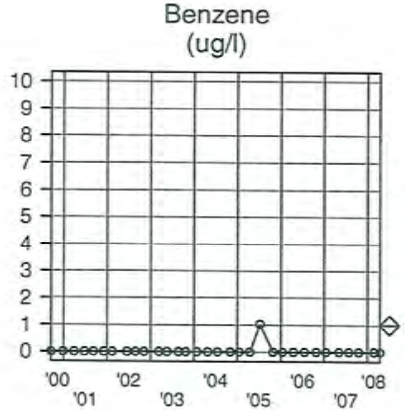
04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

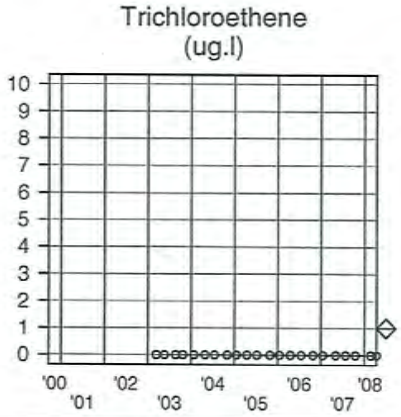


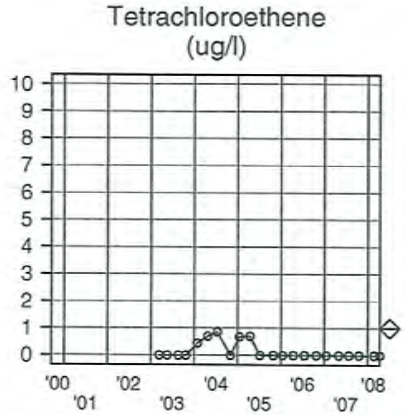


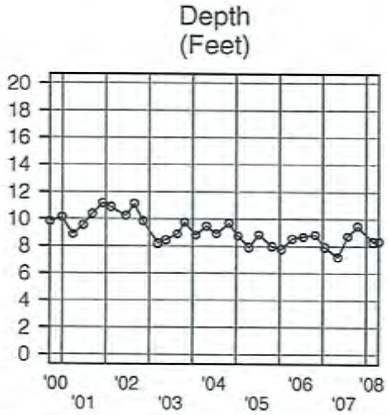












SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000053

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.14	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.33	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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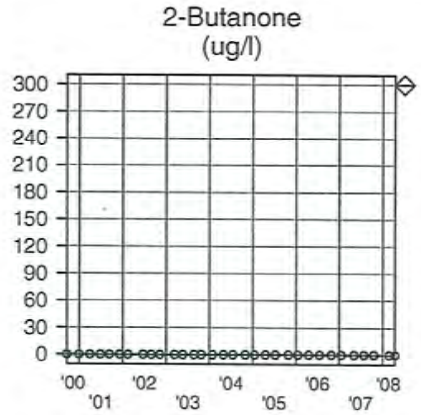

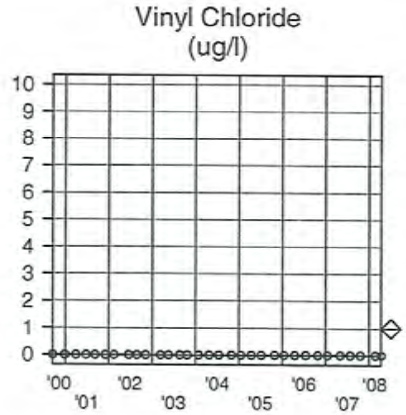

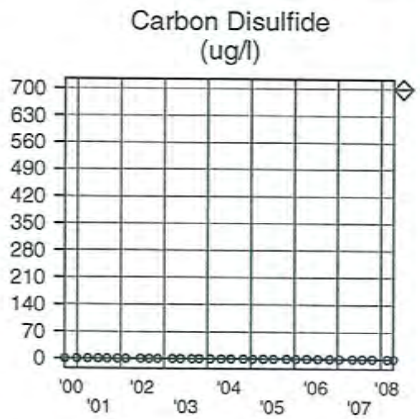

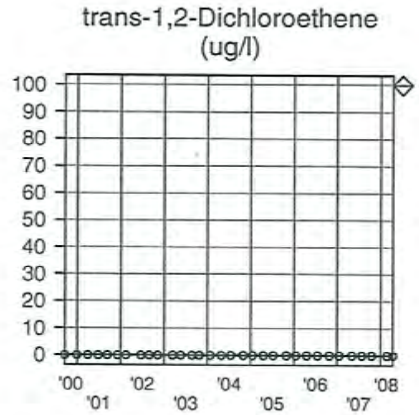

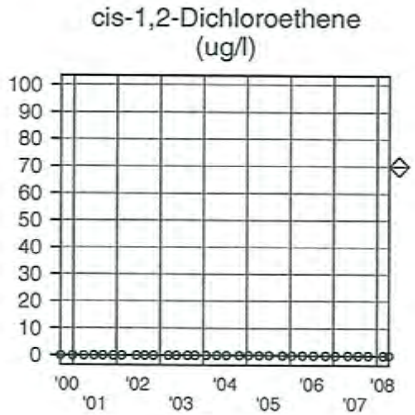

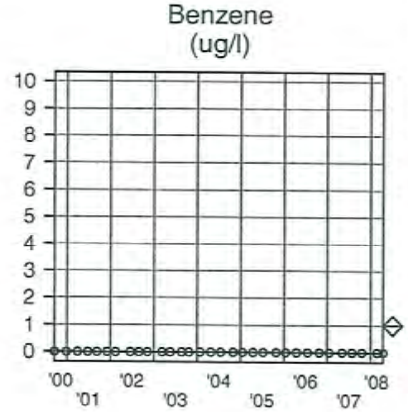

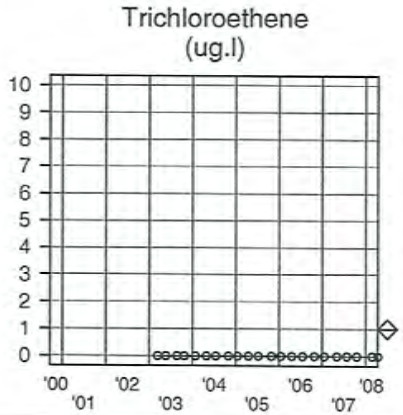

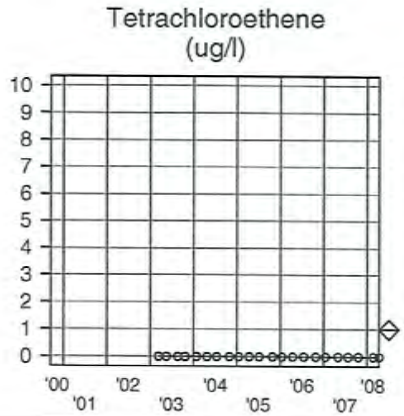

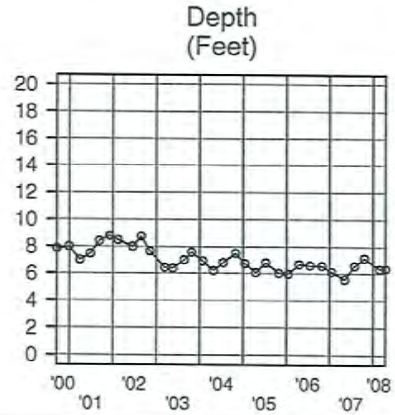

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 4 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	ND	ND			11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	8.27	ND	ND	ND	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	17.95	ND	ND	ND	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.22	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.50	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.54	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
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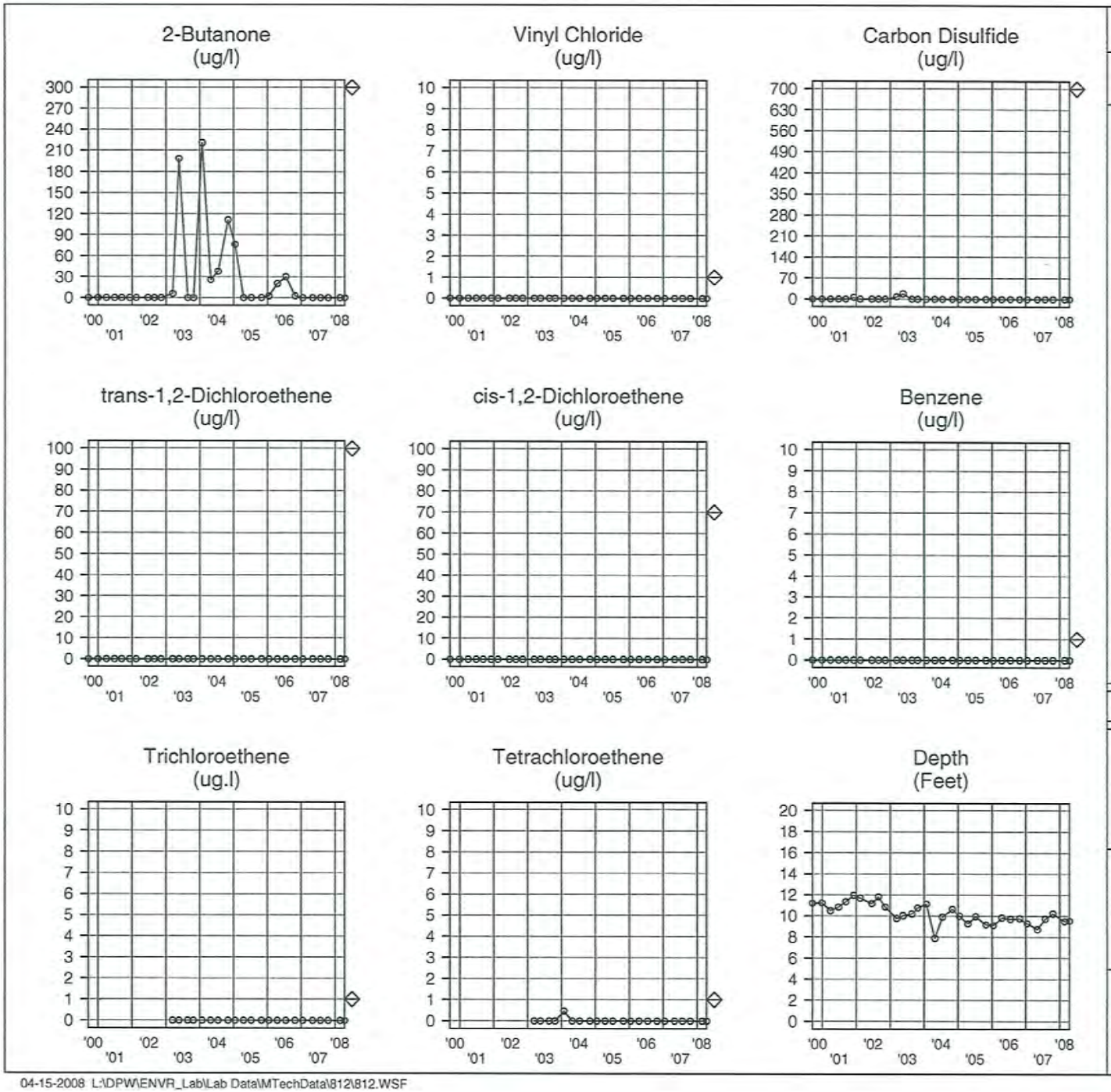
04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF



SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 7 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000057

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	3.06	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.39	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.70	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.90	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

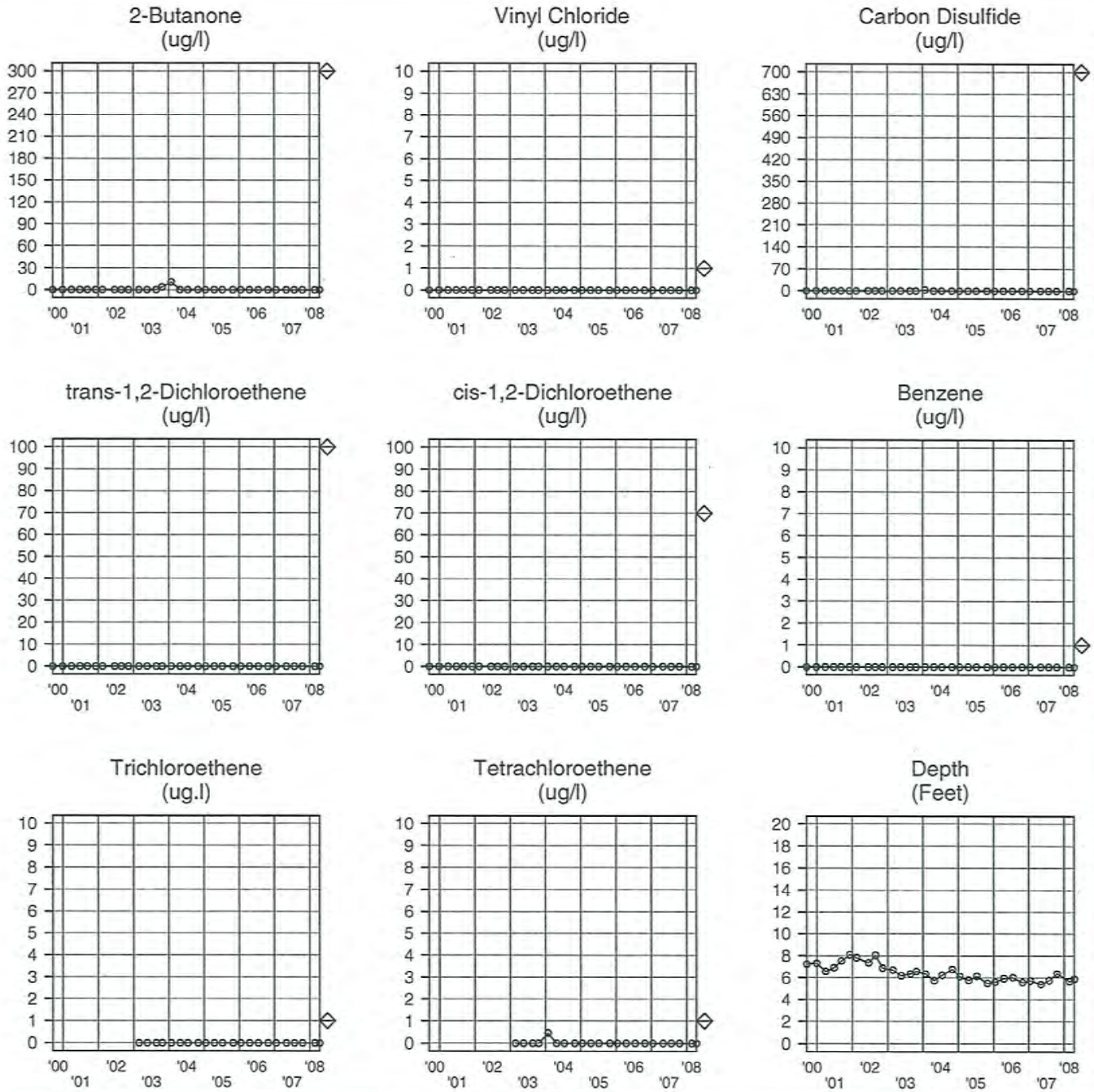
GW MONITORING
M-8 Bldg 697

Source 8 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000058

04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF



SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 8 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000059

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS
07/24/2007	FMETL	5.04									NS
10/17/2007	FMETL	5.18									NS
02/20/2008	FMETL	4.91									NS
04/09/2008	FMETL	5.06									ND

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 5 of 14

U.S.ARMY
FORT MONMOUTH
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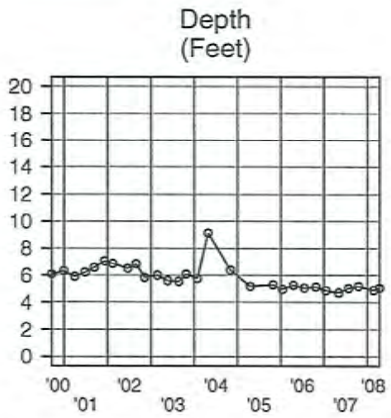
000060



SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 5 of 14, Graph

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000061

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS
07/24/2007	FMETL	5.90									NS
10/17/2007	FMETL	6.04									NS
02/20/2008	FMETL	5.98									NS
04/09/2008	FMETL	5.95									ND

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

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FORT MONMOUTH
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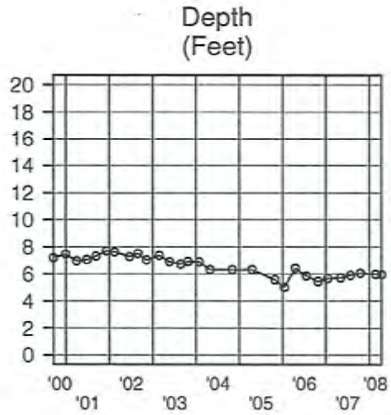
04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF



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Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS
07/24/2007	FMETL	4.02									NS
10/17/2007	FMETL	5.01									NS
02/20/2008	FMETL	4.15									NS
04/09/2008	FMETL	4.58									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

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04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS
07/24/2007	FMETL	3.07									NS
10/17/2007	FMETL	3.74									NS
02/20/2008	FMETL	NS									3.33
04/09/2008	FMETL	3.26									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

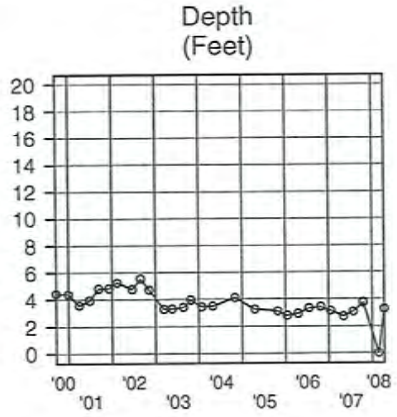
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000066



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

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FORT MONMOUTH
SELFM-PW-EV

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04-15-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS
07/24/2007	FMETL	9.35									NS
10/07/2007	FMETL	10.31									NS
02/20/2008	FMETL	9.08									NS
04/09/2008	FMETL	8.76									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

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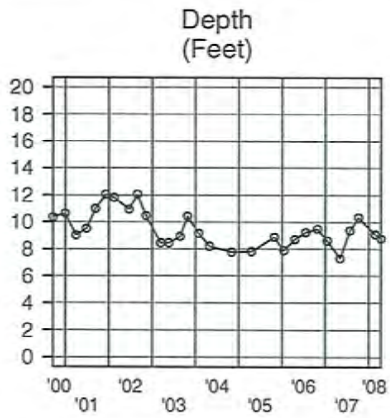

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Sampling Dates:
09/14/2000 - 04/09/2008

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NJDEP Criteria

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Source 9 of 14, Graph

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND			8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
09/07/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.28	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.86	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.72	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.85	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 04/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14

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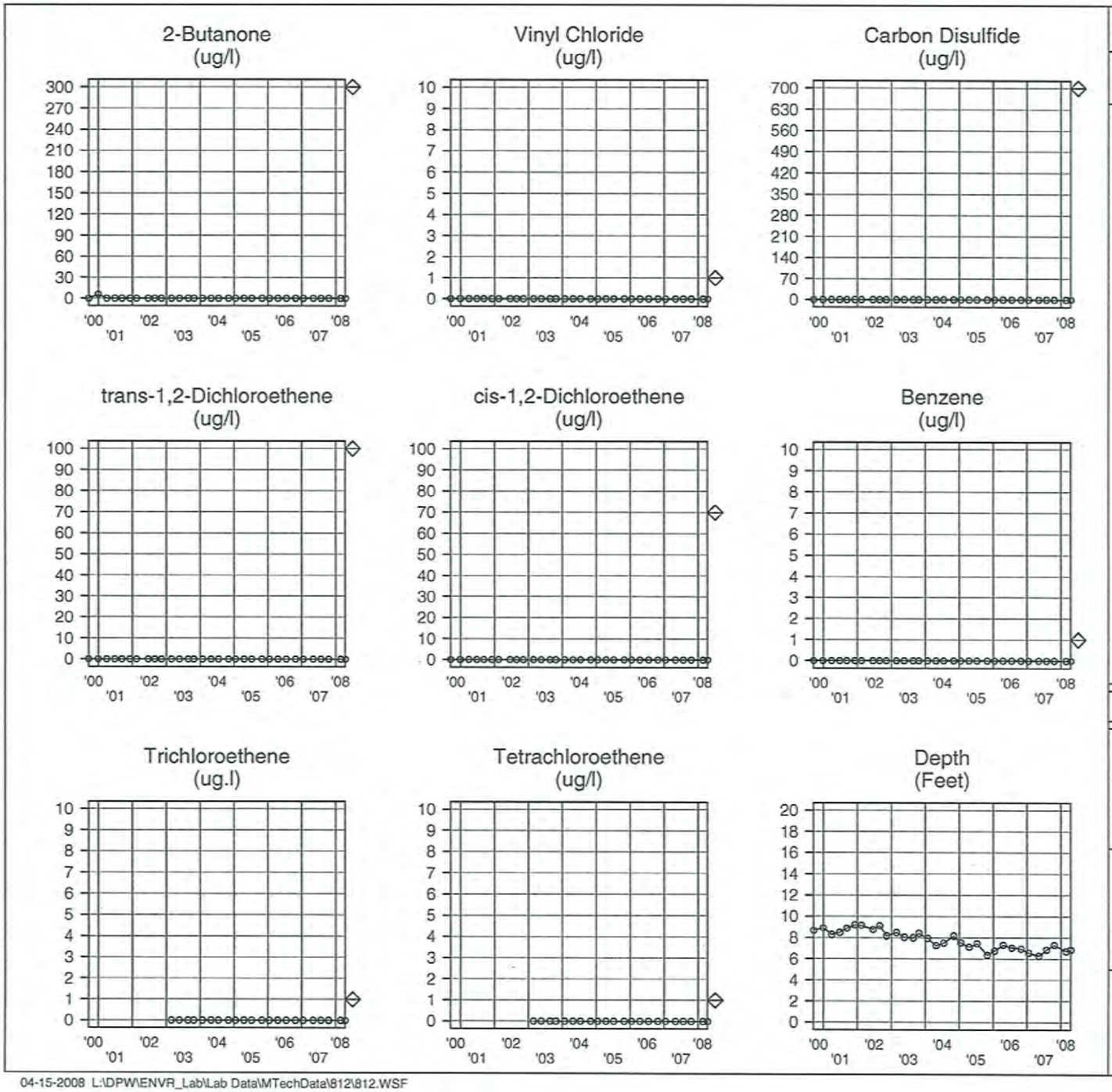

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Sampling Dates:
09/14/2000 - 04/09/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8025604	0812MW01	29-42572	07/25/08
8025605	0812MW02	29-42573	07/25/08
Not Sampled	0812MW03	29-42574	----------
8025606	0812MW04	29-42575	07/25/08
8025607	0812MW05	29-42576	07/25/08
8025608	0812MW06	29-42577	07/25/08
8025609	0812MW07	29-42578	07/25/08
8025610	0812MW08	29-42579	07/25/08
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
8025611	0812MW14	29-42888	07/25/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer 8/7/08
Jacqueline Hamer/Date:
QA/QC Supervisor

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

SAMPLING

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:jacqueline.hamer@us.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: JOE FALLON
Phone #: 732-532-5223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 3RD QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA + IS								Remarks / Preservation Method
80256 .01	812 TRIP BLANK	07-25-08	9:30	AQ	2	X								
.02	812 FIELD BLANK	07-25-08	9:50	AQ	2	X								
.03	812 DUP.	07-25-08	—	AQ	2	X								
.04	812 MW#01	07-25-08	14:10	AQ	2	X								29-42572
.05	812 MW#02	07-25-08	14:30	AQ	2	X								29-42573
.06	812 MW#04	07-25-08	14:00	AQ	2	X								29-42575
.07	812 MW#05	07-25-08	10:20	AQ	2	X								29-42576
.08	812 MW#06	07-25-08	10:10	AQ	2	X								29-42577
.09	812 MW#07	07-25-08	11:40	AQ	2	X								29-42578
.10	812 MW#08	07-25-08	10:00	AQ	2	X								29-42579
.11	812* MW#14	07-25-08	11:20	AQ	2	X								29-42888

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	07/25/08 15:30	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

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U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.01 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.60 ft
(40.60) X .65 X 3 =79.17
GALLONS OF H_2O TO BE PURGED: 80 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 08:19
pH 8.10 su
TEMP 17.12 °C
DISSOLVED O_2 4.85 mg/L
SPECIFIC CONDUCTIVITY 2081.0 µs/cm

PURGE END TIME: 14:07
pH 7.34 su
TEMP 16.29 °C
DISSOLVED O_2 2.48 mg/L
SPECIFIC CONDUCTIVITY 2217.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.32 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 80 gal

SAMPLE START TIME: 14:10
pH 7.27 su
TEMP 16.24 °C
DISSOLVED O_2 1.45 mg/L
SPECIFIC CONDUCTIVITY 2146.0 µs/cm

SAMPLE END TIME: 14:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.23 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.68 ft
(41.68) X .65 X 3 = 81.27
GALLONS OF H_2O TO BE PURGED: 82 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 7.78 su — TEMP 22.17 °C
DISSOLVED O_2 1.41 mg/L — SPECIFIC CONDUCTIVITY 2159.0 µs/cm

PURGE END TIME: 14:27
pH 6.64 su — TEMP 17.75 °C
DISSOLVED O_2 1.38 mg/L — SPECIFIC CONDUCTIVITY 2758.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.53 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 82 gal

SAMPLE START TIME: 14:30
pH 6.82 su — TEMP 17.58 °C
DISSOLVED O_2 1.48 mg/L — SPECIFIC CONDUCTIVITY 2326.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.14 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.00 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.62 ft
(2.62) X .65 X 3 = 5.1
GALLONS OF H_2O TO BE PURGED: 5 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:34
pH 6.53 su — TEMP 23.96 °C
DISSOLVED O_2 2.14 mg/L — SPECIFIC CONDUCTIVITY 3025.0 µs/cm

PURGE END TIME: 13:56
pH 6.23 su — TEMP 24.06 °C
DISSOLVED O_2 1.97 mg/L — SPECIFIC CONDUCTIVITY 3232.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.87 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 5 gal

SAMPLE START TIME: 14:00
pH 6.18 su — TEMP 23.81 °C
DISSOLVED O_2 1.81 mg/L — SPECIFIC CONDUCTIVITY 3217.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.22 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.37 ft
(8.37) X .65 X 3 =16.32
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 08:58
pH 4.49 su — TEMP 17.28 °C
DISSOLVED O_2 4.03 mg/L — PECIFIC CONDUCTIVITY 9849.0 µs/cm

PURGE END TIME: 10:12
pH 4.86 su — TEMP 17.14 °C
DISSOLVED O_2 2.45 mg/L — SPECIFIC CONDUCTIVITY 9260.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.82 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:20
pH 4.41 su — TEMP 16.97 °C
DISSOLVED O_2 3.04 mg/L — SPECIFIC CONDUCTIVITY 9276.0 µs/cm

SAMPLE END TIME: 10:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.96 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.04 ft
(8.04) X .65 X 3 =15.67
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 08:48
pH 4.46 su
TEMP 19.03 °C
DISSOLVED O_2 2.76 mg/L
PECIFIC CONDUCTIVITY 5387.0 µs/cm

PURGE END TIME: 09:58
pH 4.51 su
TEMP 20.01 °C
DISSOLVED O_2 3.09 mg/L
SPECIFIC CONDUCTIVITY 5917.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.19 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:10
pH 4.11 su
TEMP 19.69 °C
DISSOLVED O_2 2.64 mg/L
SPECIFIC CONDUCTIVITY 5825.0 µs/cm

SAMPLE END TIME: 10:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.02 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.29 ft
(7.29) X .65 X 3 =14.21
GALLONS OF H_2O TO BE PURGED: 15 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: 10:28
pH 4.60 su — TEMP 19.01 °C
DISSOLVED O_2 1.32 mg/L — SPECIFIC CONDUCTIVITY 9454.0 µs/cm

PURGE END TIME: 11:33
pH 5.34 su — TEMP 18.92 °C
DISSOLVED O_2 1.26 mg/L — SPECIFIC CONDUCTIVITY 9552.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.48 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:40
pH 4.83 su — TEMP 18.37 °C
DISSOLVED O_2 1.47 mg/L — SPECIFIC CONDUCTIVITY 9520.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 6.22 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.04 ft
(9.04) X .65 X 3 =17.62
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:39
pH 5.07 su — TEMP 20.97 °C
DISSOLVED O_2 0.57 mg/L — SPECIFIC CONDUCTIVITY 7625.0 µs/cm

PURGE END TIME: 09:57
pH 5.07 su — TEMP 20.55 °C
DISSOLVED O_2 3.05 mg/L — SPECIFIC CONDUCTIVITY 8633.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.73 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:00
pH 4.24 su — TEMP 19.51 °C
DISSOLVED O_2 1.51 mg/L — SPECIFIC CONDUCTIVITY 8227.0 µs/cm

SAMPLE END TIME: 10:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.21 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.86 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 5.01 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 3.80 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.98 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/25/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 7.11 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.54 ft
(7.54) X .65 X 3 =14.70
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:12
pH 5.27 su
TEMP 21.03 °C
DISSOLVED O_2 3.23 mg/L
SPECIFIC CONDUCTIVITY 7147.0 µs/cm

PURGE END TIME: 11:17
pH 6.07 su
TEMP 21.22 °C
DISSOLVED O_2 2.87 mg/L
SPECIFIC CONDUCTIVITY 7870.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.68 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:20
pH 5.75 su
TEMP 20.78 °C
DISSOLVED O_2 1.58 mg/L
SPECIFIC CONDUCTIVITY 7768.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS: DUP. HERE.

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1636.D	Sample Name	MB 8/1/08 #2
Operator	ROBERTS	Field ID	METHOD 624 8/1/08
Date Acquired	2 Aug 2008 12:29 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB 8/1/08 #2

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: MB 8/1/08 #2

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1636.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1639.D	Sample Name	8025601
Operator	ROBERTS	Field ID	812 TRIP BLANK
Date Acquired	2 Aug 2008 2:07 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 TRIP BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1639.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1640.D	Sample Name	8025602
Operator	ROBERTS	Field ID	812 FIELD BLANK
Date Acquired	2 Aug 2008 2:39 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 FIELD BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1640.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1641.D	Sample Name	8025603
Operator	ROBERTS	Field ID	812 DUP
Date Acquired	2 Aug 2008 3:12 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 DUP

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1641.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1642.D	Sample Name	8025604
Operator	ROBERTS	Field ID	812 MW#01
Date Acquired	2 Aug 2008 3:45 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#01

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1642.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1643.D	Sample Name	8025605
Operator	ROBERTS	Field ID	812 MW#02
Date Acquired	2 Aug 2008 4:17 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#02

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025605

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1643.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1637.D	Sample Name	8025606
Operator	ROBERTS	Field ID	812 MW#04
Date Acquired	2 Aug 2008 1:02 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol	8.23	10678	10.66 ug/L	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	5.69	462298	22.47 ug/L	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	8.12	24965	1.05 ug/L	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	9.47	25611	1.11 ug/L	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene	10.52	134506	1.49 ug/L	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene	13.10	835528	7.99 ug/L	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	15.40	2895180	29.01 ug/L	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	15.63	870436	21.58 ug/L	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene	16.45	1855418	23.89 ug/L	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#04

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025606

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1637.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 14

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	(DEL) Alkane: Cyclic	5.59	8	J
2.	C3 alkyl benzene	17.03	4	J
3.	C3 alkyl benzene	17.82	7	J
4.	C3 alkyl benzene	17.98	6	J
5.	C3 alkyl benzene	18.16	6	J
6.	C3 alkyl benzene	18.62	18	J
7.	C3 alkyl benzene	18.94	29	J
8.	C3 alkyl benzene	19.79	10	J
9. 000496-11-7	Indane	20.08	17	JN
10.	C4 alkyl benzene	20.84	5	J
11.	1H-Indene-dihydro-methyl	21.12	6	J
12.	C4 alkyl benzene	21.76	3	J
13.	1H-Indene-dihydro-methyl	22.24	4	J
14.	1H-Indene-dihydro-methyl	22.65	10	J

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1647.D	Sample Name	8025607
Operator	ROBERTS	Field ID	812 MW#05
Date Acquired	2 Aug 2008 6:28 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.39	44946	3.63 ug/L	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	8.86	201966	7.32 ug/L	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane	10.07	46016	1.62 ug/L	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#05

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025607

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1647.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1648.D	Sample Name	8025608
Operator	ROBERTS	Field ID	812 MW#06
Date Acquired	2 Aug 2008 7:01 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#06

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025608

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1648.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1649.D	Sample Name	8025609
Operator	ROBERTS	Field ID	812 MW#07
Date Acquired	2 Aug 2008 7:34 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.40	57042	4.58 ug/L	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	8.86	333863	12.02 ug/L	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#07

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025609

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1649.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1650.D	Sample Name	8025610
Operator	ROBERTS	Field ID	812 MW#08
Date Acquired	2 Aug 2008 8:06 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025610

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1650.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1651.D	Sample Name	8025611
Operator	ROBERTS	Field ID	812 MW#14
Date Acquired	2 Aug 2008 8:39 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

82 MW#14

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80256

Matrix: (soil/water) WATER Lab Sample ID: 8025611

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1651.D

Level: (low/med) LOW Date Received: 7/25/2008

% Moisture: not dec. _____ Date Analyzed: 8/2/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

LTM

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND			8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.39	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.96	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.63	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.76	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.01	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

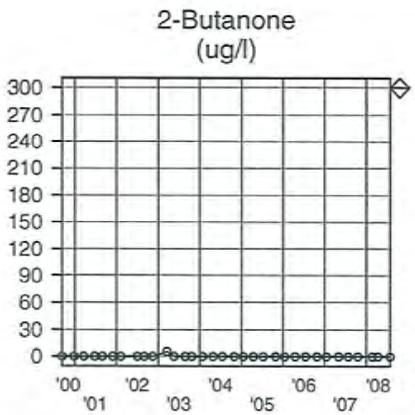
FORT MONMOUTH

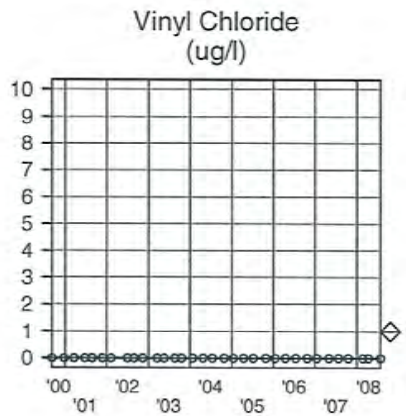
GW MONITORING
M-8 Bldg 697

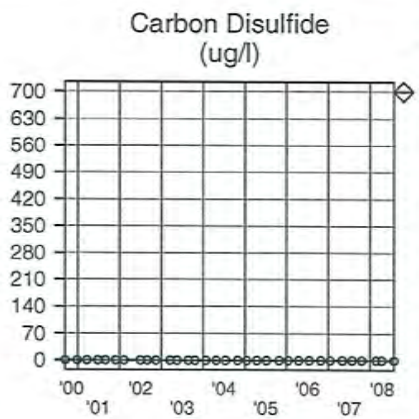
Source 12 of 14

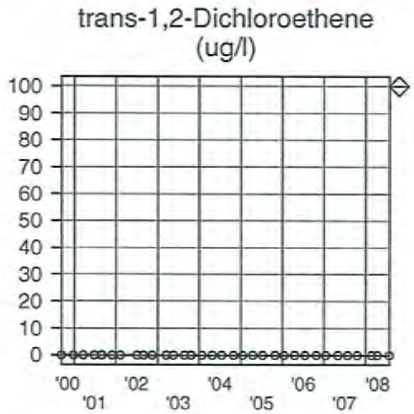
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

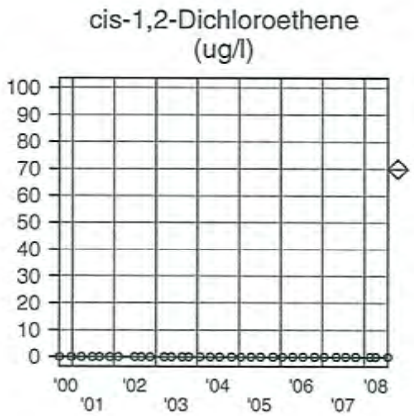
000043

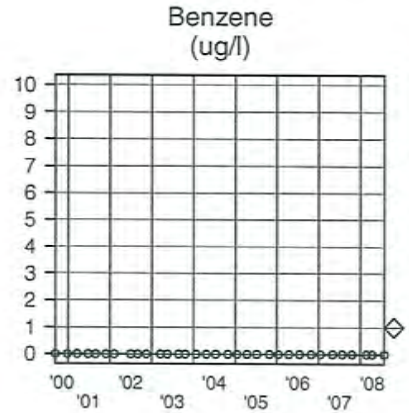


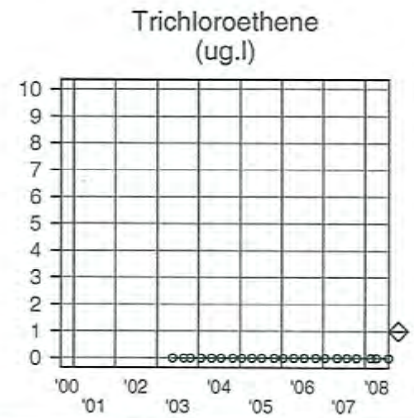


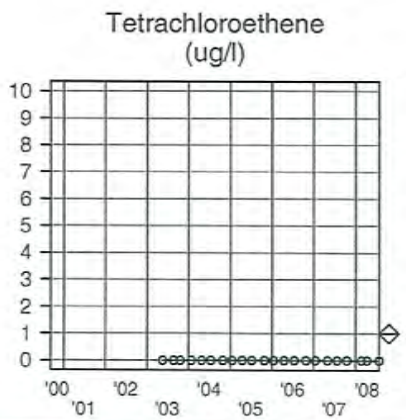


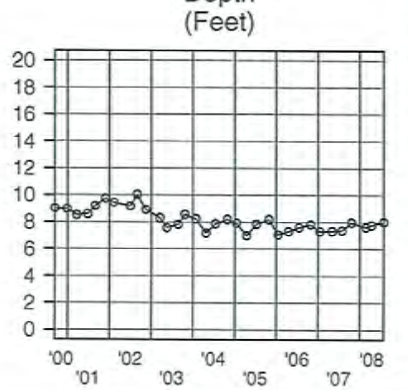












SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000044

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	4.27	ND	ND	ND			6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND			5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.48	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.63	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.23	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/25/2008

NOTES:

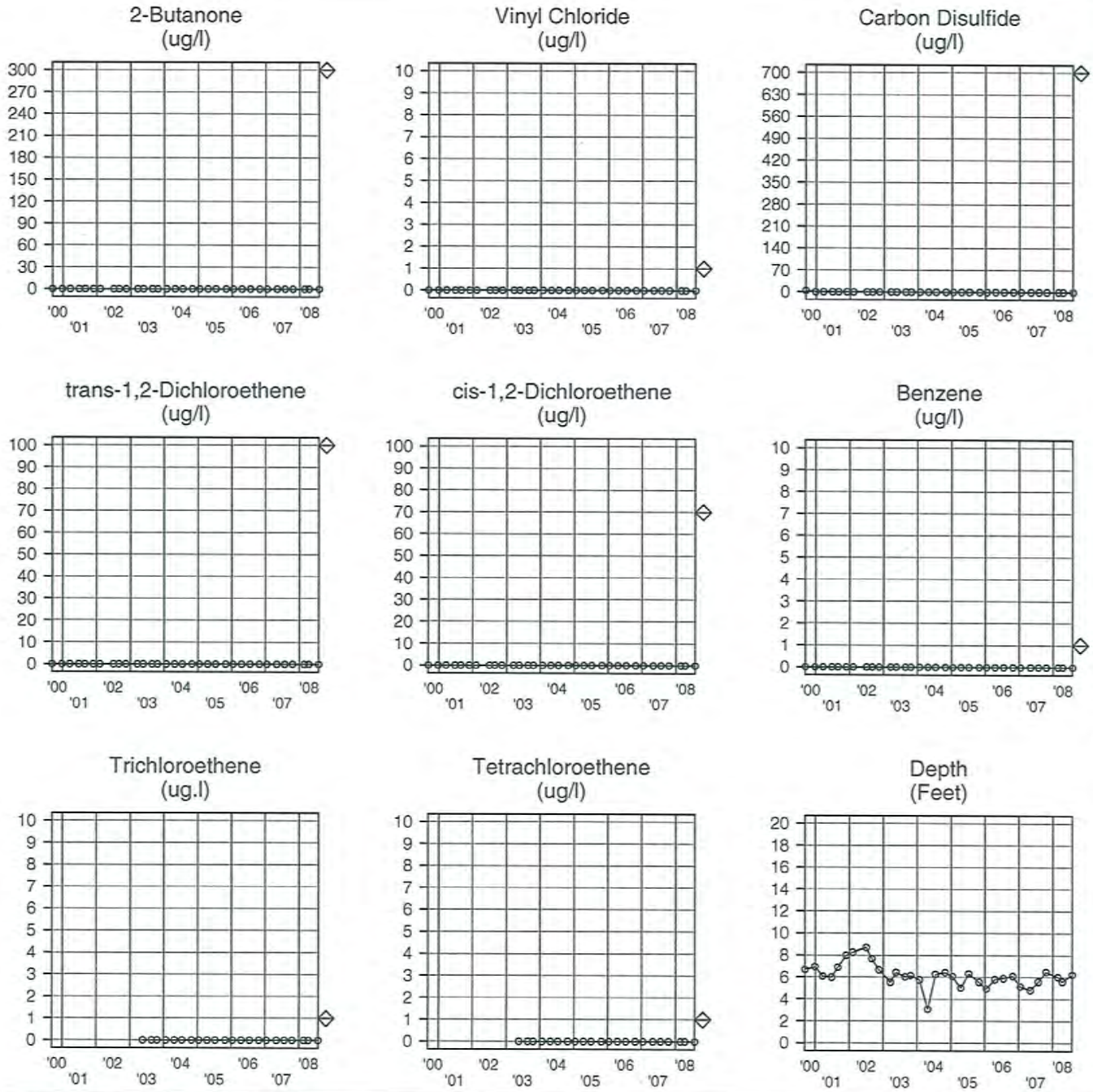
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 13 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000046

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS
07/24/2007	FMETL	5.56									NS
10/17/2007	FMETL	6.11									NS
02/20/2008	FMETL	5.86									NS
04/09/2008	FMETL	5.23									NS
07/25/2008	FMETL	6.14									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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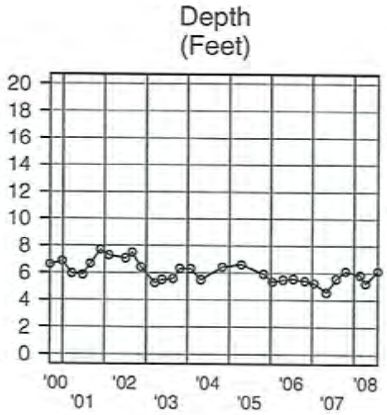
000047



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
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08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000048

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58			4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17			4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND			3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND			5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	1.84	101.33	196.94	6.75			4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51			5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87			4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04			4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43			4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	321.42	5.09	6.38	37.35	ND	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	ND	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	ND	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	ND	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	ND	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	ND	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	ND	ND	2.42	V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	ND	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	ND	1.22	ND	ND	ND	3.33	V
10/25/2006	FMETL	ND	17.17	ND	0.75	0.39	0.92	ND	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	ND	ND	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.53	V
10/17/2007	FMETL	ND	ND	ND	0.81	0.66	2.80	ND	ND	4.56	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.12	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.87	V
07/25/2008	FMETL	ND	22.47	ND	1.05	1.11	1.49	ND	ND	4.00	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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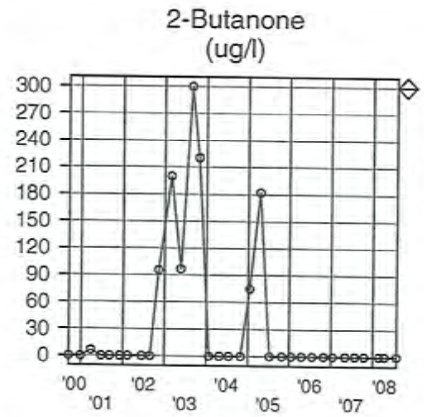

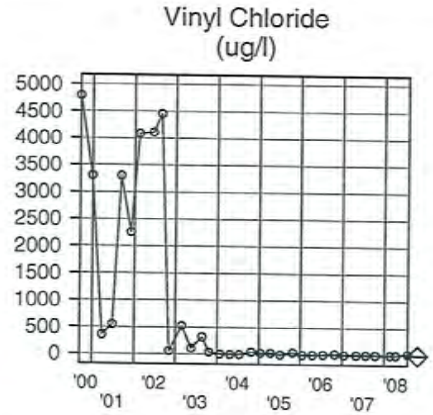

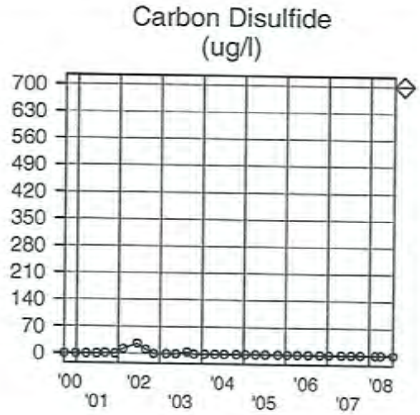

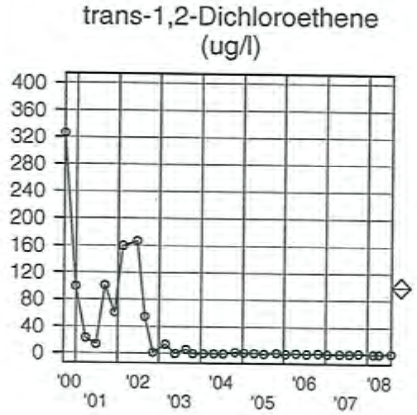

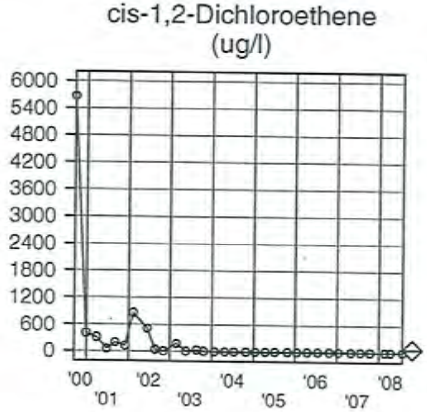

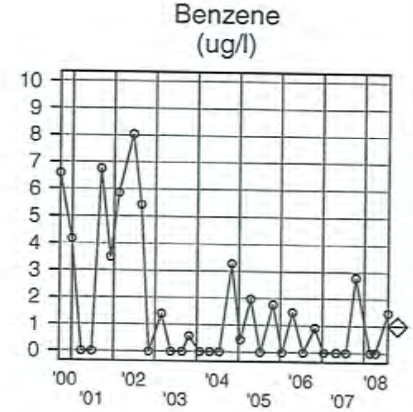

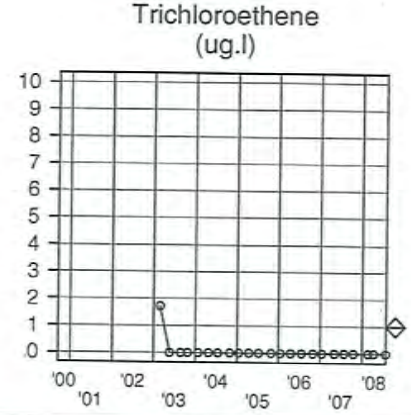

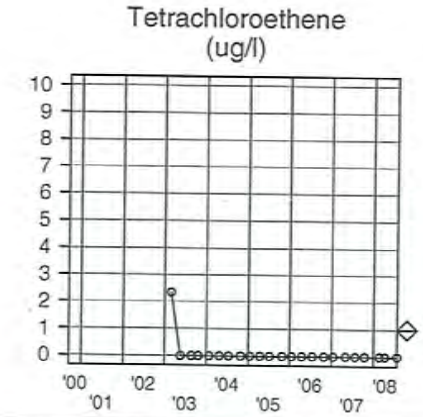

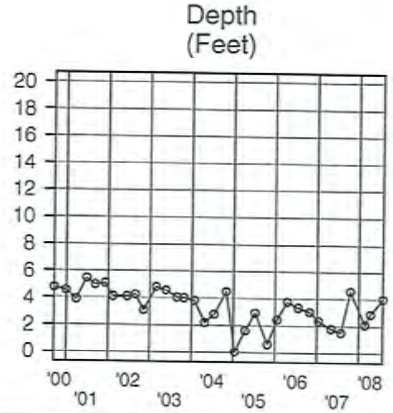

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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000050

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	4.93	ND	ND	ND	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	5.69	ND	ND	ND	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	ND	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.20	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.69	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.47	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.29	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.32	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.22	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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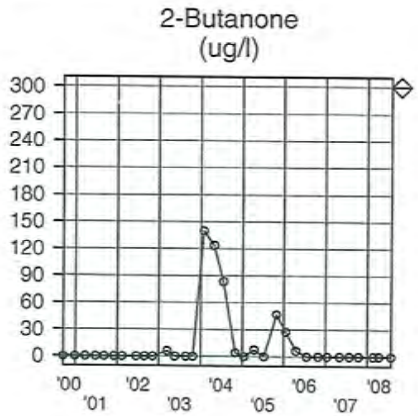

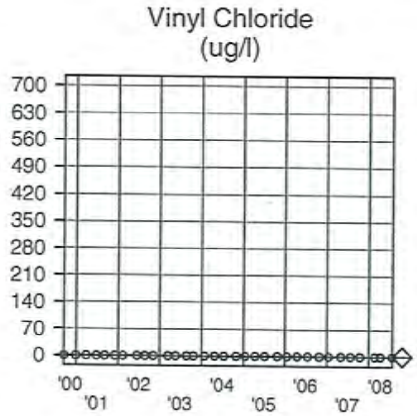

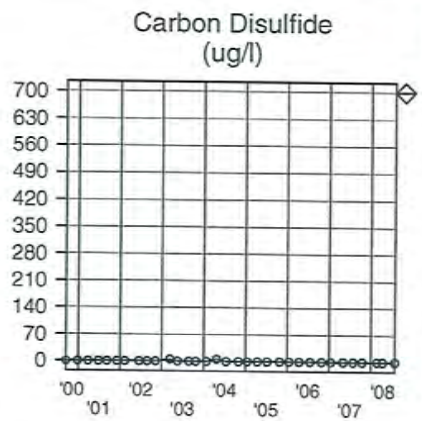

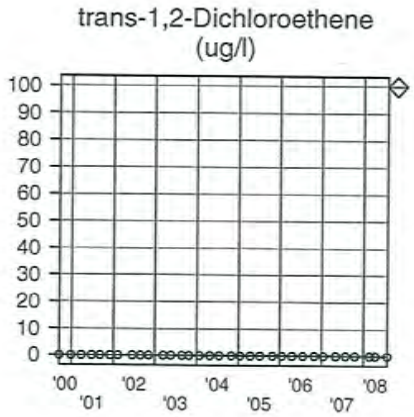

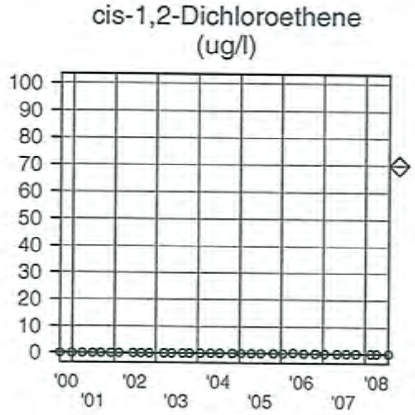

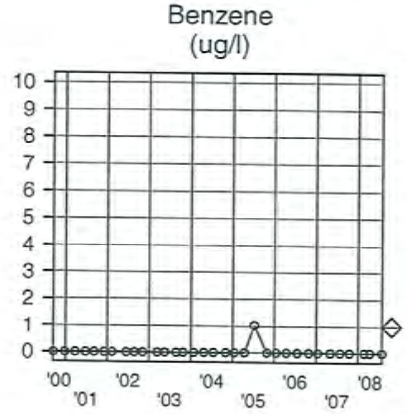

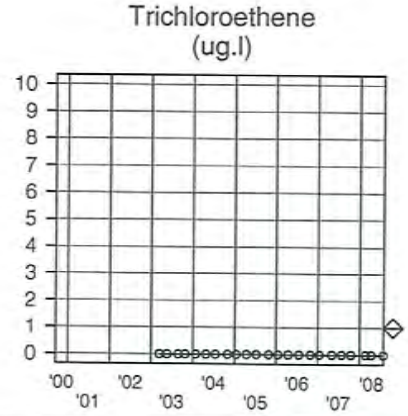

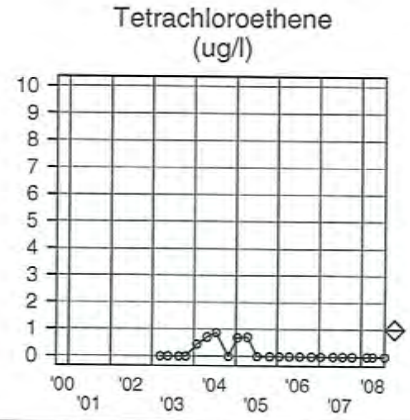

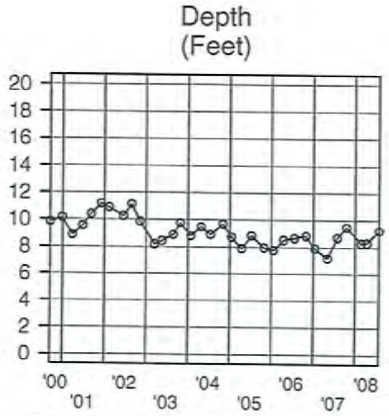

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.14	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.33	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
SELFM-PW-EV

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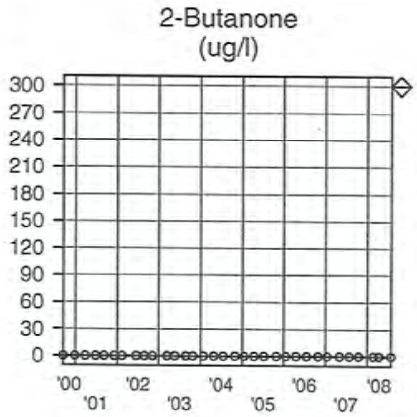
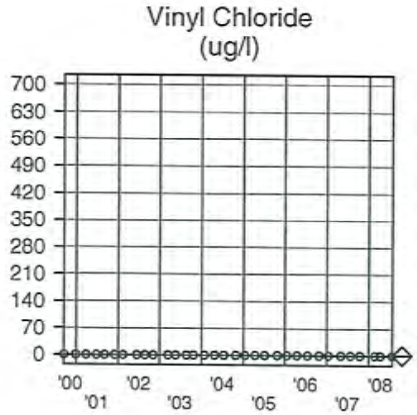
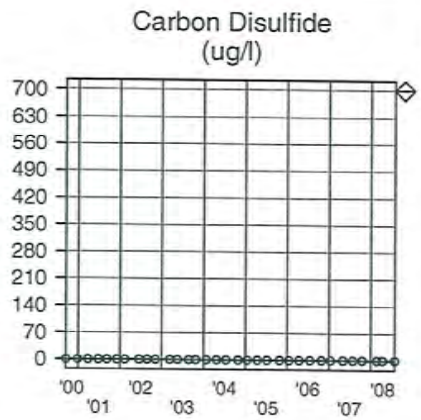
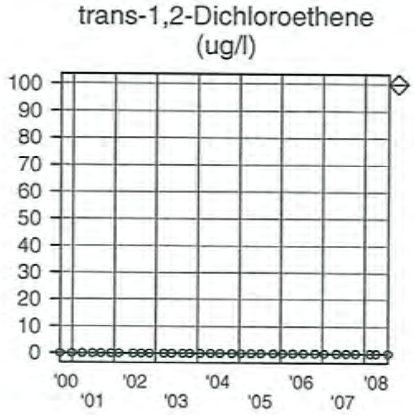
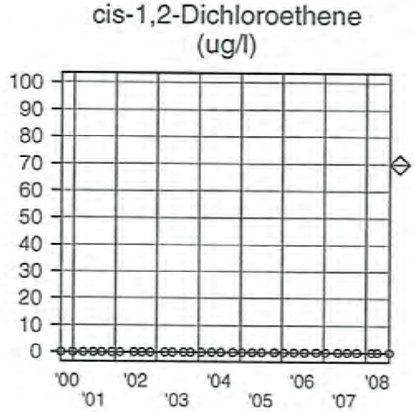
000053

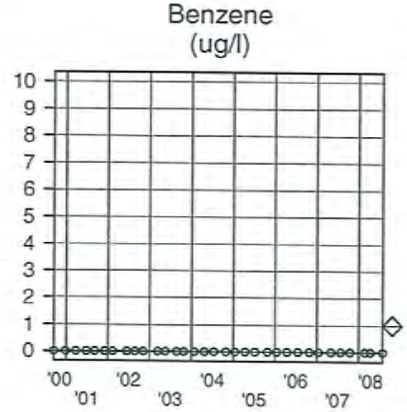


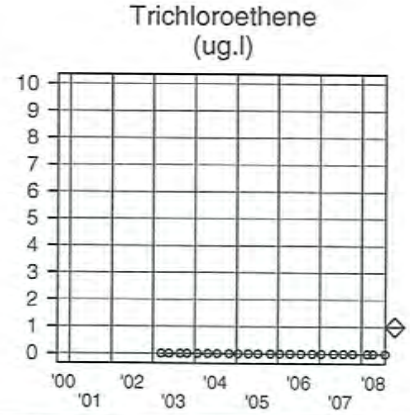


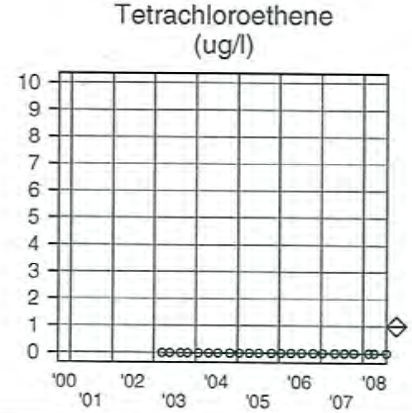


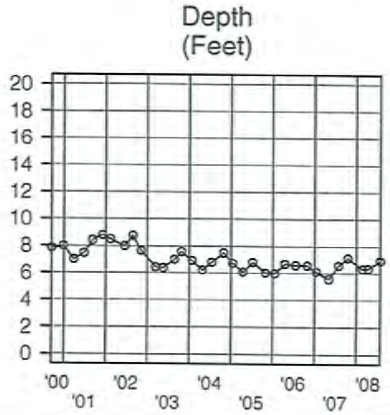












SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	ND	ND			11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	8.27	ND	ND	ND	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	17.95	ND	ND	ND	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.22	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.50	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.54	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.02	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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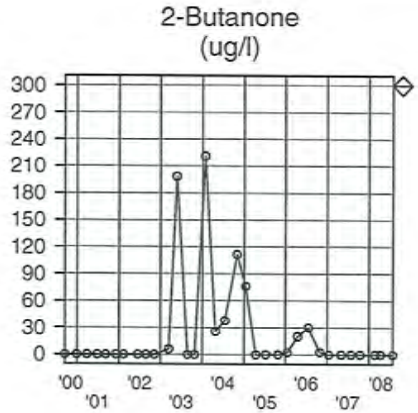

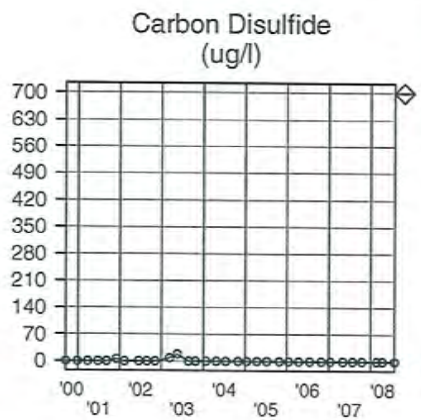

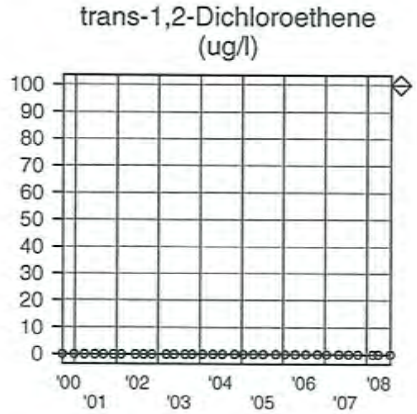

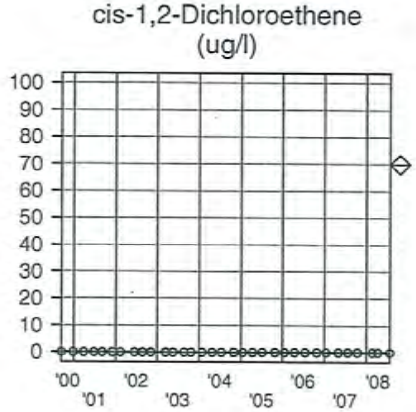

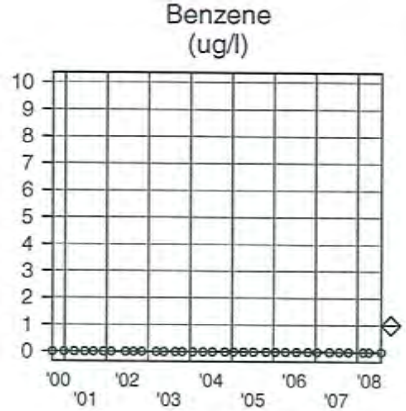

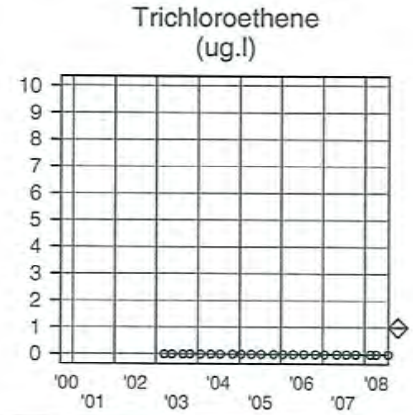

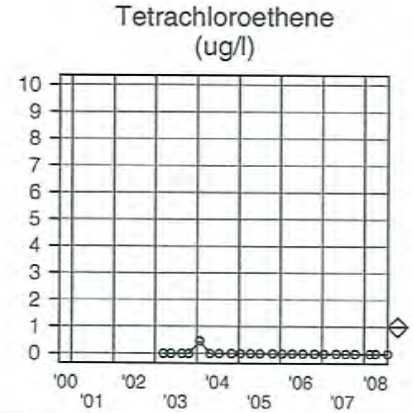

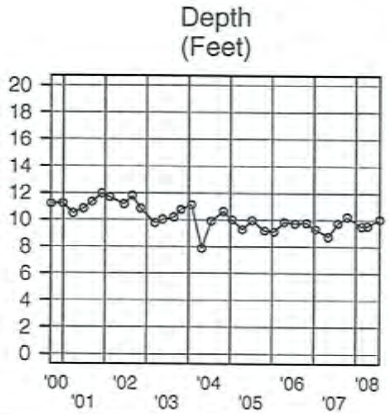

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
SELFM-PW-EV

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	3.06	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.39	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.70	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.90	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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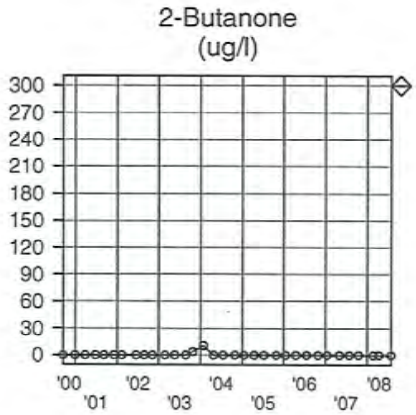

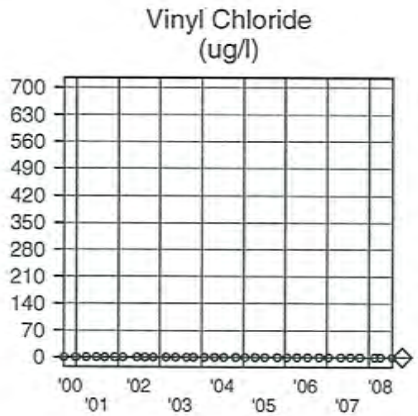

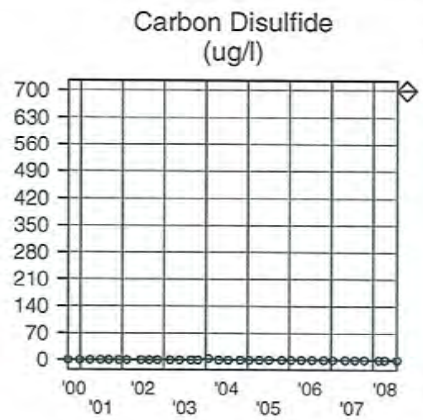

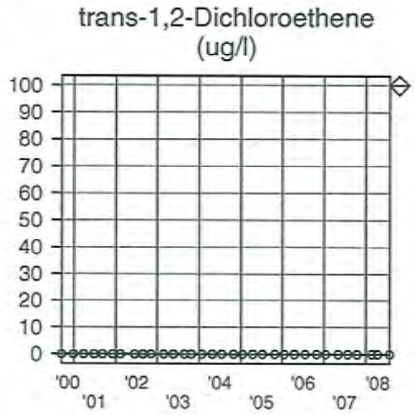

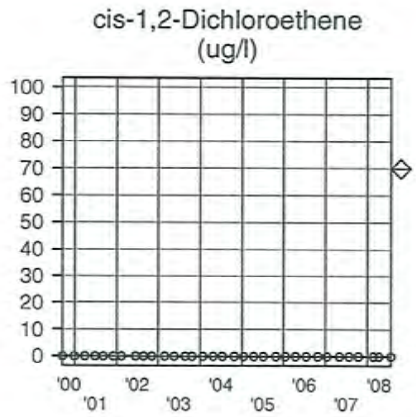

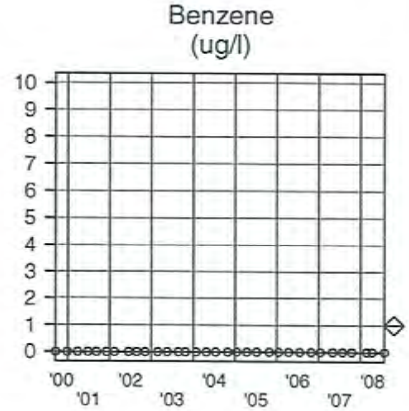

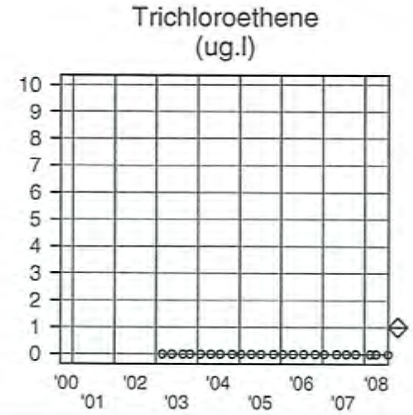

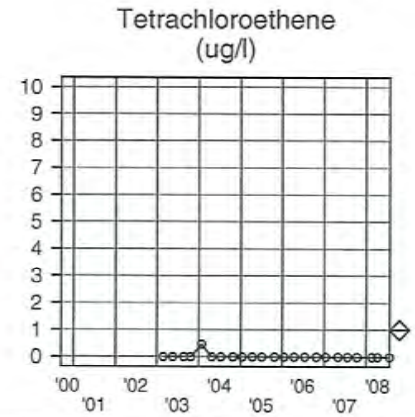

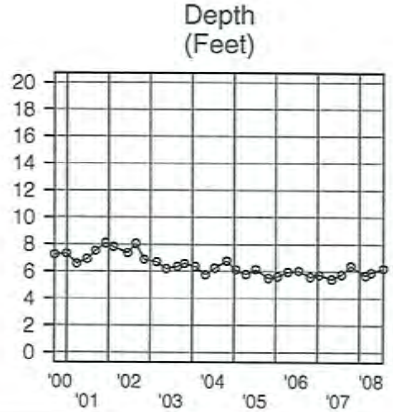

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

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NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS
07/24/2007	FMETL	5.04									NS
10/17/2007	FMETL	5.18									NS
02/20/2008	FMETL	4.91									NS
04/09/2008	FMETL	5.06									ND
07/25/2008	FMETL	5.21									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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FORT MONMOUTH
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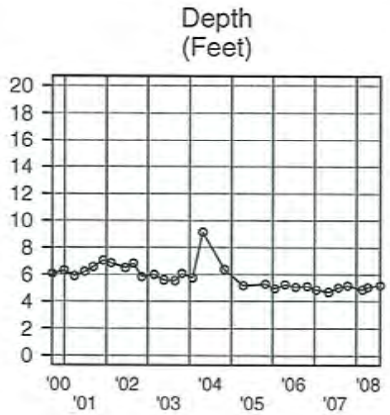

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 5 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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000060

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS
07/24/2007	FMETL	5.90									NS
10/17/2007	FMETL	6.04									NS
02/20/2008	FMETL	5.98									NS
04/09/2008	FMETL	5.95									ND
07/25/2008	FMETL	5.86									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

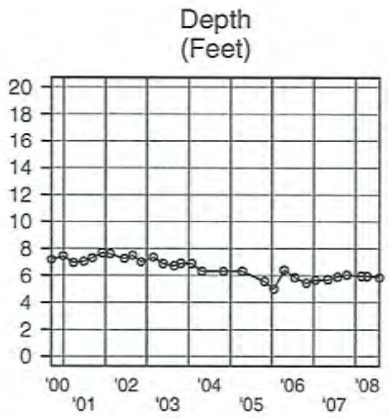
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 2 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000062

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS
07/24/2007	FMETL	4.02									NS
10/17/2007	FMETL	5.01									NS
02/20/2008	FMETL	4.15									NS
04/09/2008	FMETL	4.58									NS
07/25/2008	FMETL	5.01									ND

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

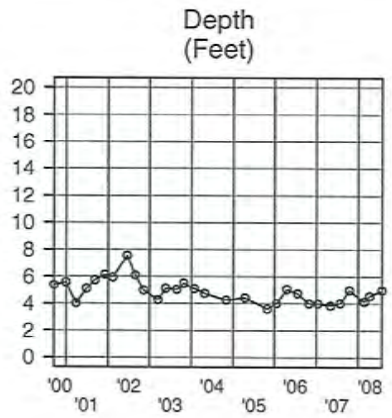
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000063



SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 1 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000064

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS
07/24/2007	FMETL	3.07									NS
10/17/2007	FMETL	3.74									NS
02/20/2008	FMETL	NS									3.33
04/09/2008	FMETL	3.26									NS
07/25/2008	FMETL	3.80									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

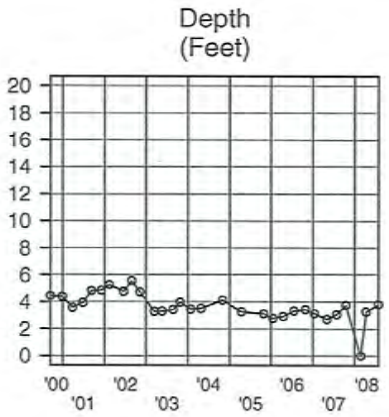
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000066

	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS
07/24/2007	FMETL	9.35									NS
10/07/2007	FMETL	10.31									NS
02/20/2008	FMETL	9.08									NS
04/09/2008	FMETL	8.76									NS
07/25/2008	FMETL	9.98									ND

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

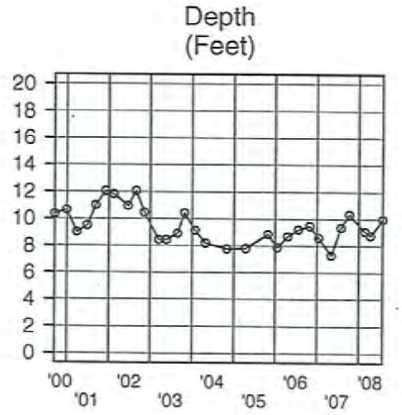
GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000067



SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
09/14/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.65	V,S,P,M
12/27/2000	FMETL	5.79	ND	ND	ND	ND	ND			8.87	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.27	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/22/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
09/07/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.85	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			9.18	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			8.74	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			9.09	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			8.14	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.45	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.03	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.98	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.38	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.92	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.26	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.51	V
11/01/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.15	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.53	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.12	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.45	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.76	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.05	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.28	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.86	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.72	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.85	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.11	V

SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/25/2008

NOTES:

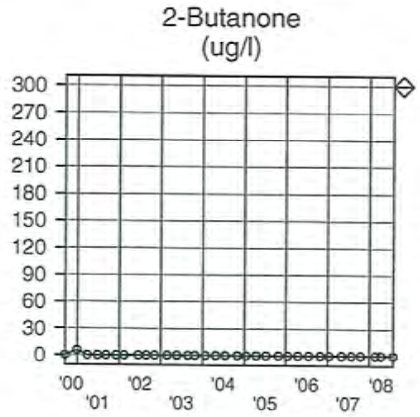
New Ground Water Quality Criteria as per 11/07/05

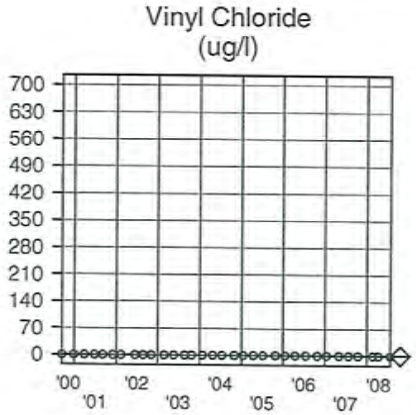
FORT MONMOUTH

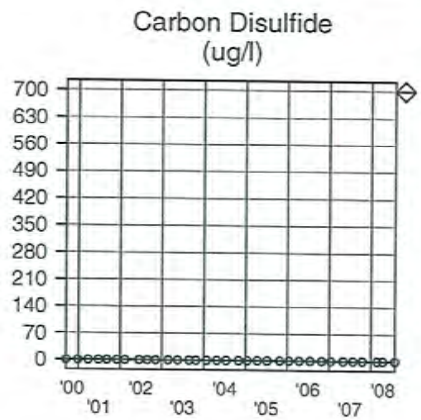
GW MONITORING
M-8 Bldg 697

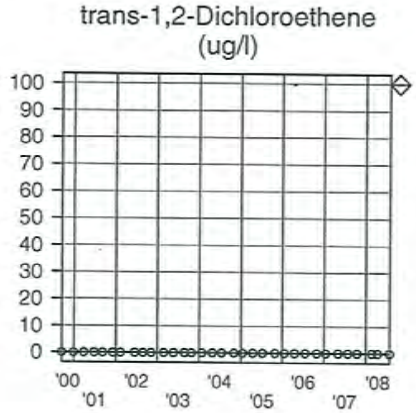
Source 6 of 14

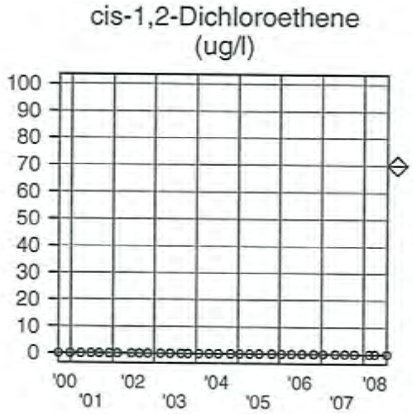
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

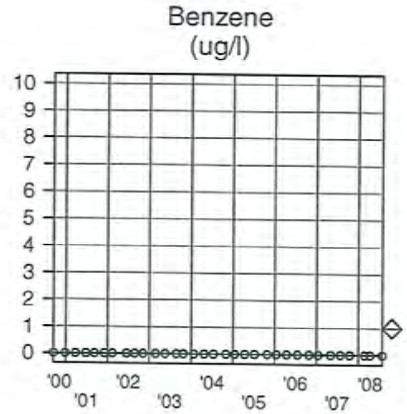


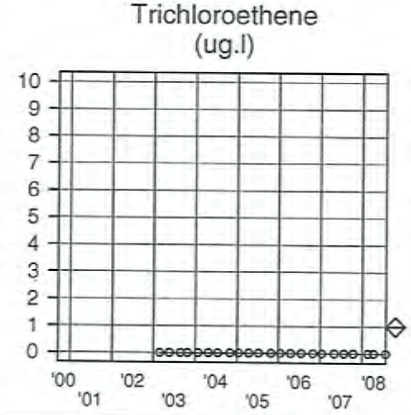


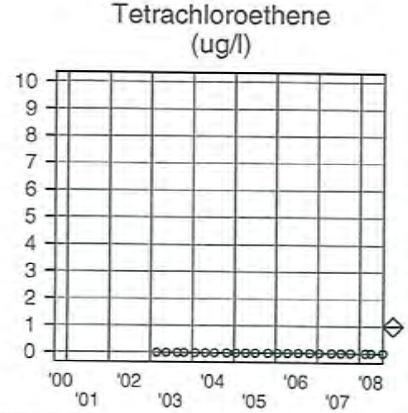


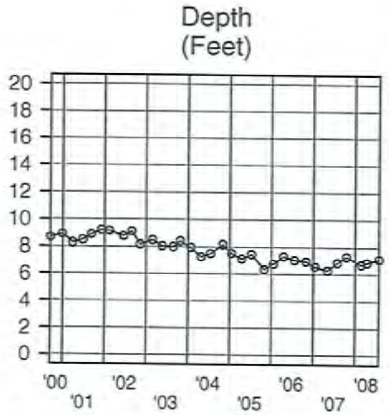












SOURCE: 0812MW14

Sampling Dates:
09/14/2000 - 07/25/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 6 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

08-07-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

000070

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: 812

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8038304	0812MW01	29-42572	10/22/08
8038305	0812MW02	29-42573	10/22/08
Not Sampled	0812MW03	29-42574	----------
8038306	0812MW04	29-42575	10/22/08
8038307	0812MW05	29-42576	10/22/08
8038308	0812MW06	29-42577	10/22/08
8038309	0812MW07	29-42578	10/22/08
8038310	0812MW08	29-42579	10/22/08
Not Sampled	0812MW09	29-42580	----------
Not Sampled	0812MW10	29-42581	----------
Not Sampled	0812MW11	29-42582	----------
Not Sampled	0812MW12	29-42583	----------
Not Sampled	0812MW13	29-42584	----------
8038311	0812MW14	29-42888	10/22/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer 10/28/08
Jacqueline Hamer/Date:
QA/QC Supervisor

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST 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

SAMPLING

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:hamerj@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: JOE FALLON
Phone #: 732-532-6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 4TH QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15								Comments: Remarks / Preservation Method
80383 .01	812 TRIP BLANK	10-22-08	10:20	AQ	2	X								
.02	812 FIELD BLANK	10-22-08	10:50	AQ	2	X								
.03	812 DUP. *	10-22-08	—	AQ	2	X								
.04	812 MW#01 *	10-22-08	15:00	AQ	2	X								29-42572
.05	812 MW#02	10-22-08	15:30	AQ	2	X								29-42573
.06	812 MW#04	10-22-08	14:00	AQ	2	X								29-42575
.07	812 MW#05	10-22-08	14:30	AQ	2	X								29-42576
.08	812 MW#06	10-22-08	11:00	AQ	2	X								29-42577
.09	812 MW#07	10-22-08	14:40	AQ	2	X								29-42578
.10	812 MW#08	10-22-08	11:10	AQ	2	X								29-42579
.11	812 MW#14	10-22-08	15:10	AQ	4	X								29-42888

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	10/22/08 15:45	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

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Page 1 of 1

COC.XLS7/8/2008

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW01
NJDEP ID #: 29-42572
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 8.47 ft
DEPTH OF WELL: 48.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 40.15 ft
(40.15) X .65 X 3 =78.29
GALLONS OF H_2O TO BE PURGED: 79 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:16
pH 7.04 su — TEMP 19.15 °C
DISSOLVED O_2 8.77 mg/L — SPECIFIC CONDUCTIVITY 2709.0 µs/cm

PURGE END TIME: 14:59
pH 6.24 su — TEMP 15.49 °C
DISSOLVED O_2 4.07 mg/L — SPECIFIC CONDUCTIVITY 2492.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.89 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 79 gal

SAMPLE START TIME: 15:00
pH 6.92 su — TEMP 15.93 °C
DISSOLVED O_2 1.50 mg/L — SPECIFIC CONDUCTIVITY 1990.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW02
NJDEP ID #: 29-42573
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 6.33 ft
DEPTH OF WELL: 47.91 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 41.58 ft
(41.58) X .65 X 3 = 81.08
GALLONS OF H_2O TO BE PURGED: 81 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: 09:29
pH 7.00 su — TEMP 21.88 °C
DISSOLVED O_2 6.85 mg/L — SPECIFIC CONDUCTIVITY 2412.0 µs/cm

PURGE END TIME: 15:21
pH 6.58 su — TEMP 17.11 °C
DISSOLVED O_2 4.74 mg/L — SPECIFIC CONDUCTIVITY 2204.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.09 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 81 gal

SAMPLE START TIME: 15:30
pH 6.81 su — TEMP 17.73 °C
DISSOLVED O_2 2.85 mg/L — SPECIFIC CONDUCTIVITY 2033.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW03
NJDEP ID #: 29-42574
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/07
WEATHER: Sunny and 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: 6.60 ft
DEPTH OF WELL: 46.81 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 = N/A
GALLONS OF H_2O 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 O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW04
NJDEP ID #: 29-42575
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 4.35 ft
DEPTH OF WELL: 6.62 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 2.27 ft
(2.27) X .65 X 3 = 4.42
GALLONS OF H_2O TO BE PURGED: 4 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:36
pH 6.09 su — TEMP 19.04 °C
DISSOLVED O_2 2.57 mg/L — SPECIFIC CONDUCTIVITY 2511.0 µs/cm

PURGE END TIME: 13:53
pH 6.54 su — TEMP 18.95 °C
DISSOLVED O_2 3.03 mg/L — SPECIFIC CONDUCTIVITY 2442.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.58 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 4 gal

SAMPLE START TIME: 14:00
pH 6.64 su — TEMP 18.30 °C
DISSOLVED O_2 2.32 mg/L — SPECIFIC CONDUCTIVITY 2446.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW05
NJDEP ID #: 29-42576
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 9.86 ft
DEPTH OF WELL: 17.59 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.73 ft
(7.73) X .65 X 3 =15.07
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:18
pH 4.33 su
TEMP 18.74 °C
DISSOLVED O_2 7.38 mg/L
PECIFIC CONDUCTIVITY 7564.0 µs/cm

PURGE END TIME: 14:23
pH 4.36 su
TEMP 18.34 °C
DISSOLVED O_2 7.60 mg/L
SPECIFIC CONDUCTIVITY 7760.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.39 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:30
pH 4.19 su
TEMP 18.45 °C
DISSOLVED O_2 6.83 mg/L
SPECIFIC CONDUCTIVITY 8148.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW06
NJDEP ID #: 29-42577
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 7.43 ft
DEPTH OF WELL: 15.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.57 ft
(7.57) X .65 X 3 =14.76
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:52
pH 4.19 su — TEMP 20.31 °C
DISSOLVED O_2 5.46 mg/L — PECIFIC CONDUCTIVITY 6947.0 µs/cm

PURGE END TIME: 10:58
pH 4.09 su — TEMP 20.26 °C
DISSOLVED O_2 6.09 mg/L — SPECIFIC CONDUCTIVITY 6688.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:00
pH 4.12 su — TEMP 20.35 °C
DISSOLVED O_2 4.26 mg/L — SPECIFIC CONDUCTIVITY 6806.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW07
NJDEP ID #: 29-42578
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 10.43 ft
DEPTH OF WELL: 17.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.88 ft
(6.88) X .65 X 3 =13.41
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:28
pH 4.36 su — TEMP 19.08 °C
DISSOLVED O_2 2.87 mg/L — SPECIFIC CONDUCTIVITY 9634.0 µs/cm

PURGE END TIME: 14:29
pH 4.71 su — TEMP 19.20 °C
DISSOLVED O_2 4.38 mg/L — SPECIFIC CONDUCTIVITY 8347.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 14:40
pH 4.75 su — TEMP 19.33 °C
DISSOLVED O_2 2.54 mg/L — SPECIFIC CONDUCTIVITY 9515.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW08
NJDEP ID #: 29-42579
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 6.67 ft
DEPTH OF WELL: 15.26 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.59 ft
(8.59) X .65 X 3 =16.75
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:44
pH 4.14 su — TEMP 20.96 °C
DISSOLVED O_2 2.99 mg/L — SPECIFIC CONDUCTIVITY 9515.0 µs/cm

PURGE END TIME: 10.58
pH 3.94 su — TEMP 20.18 °C
DISSOLVED O_2 4.22 mg/L — SPECIFIC CONDUCTIVITY 7535.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.22 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:10
pH 3.93 su — TEMP 20.20 °C
DISSOLVED O_2 2.29 mg/L — SPECIFIC CONDUCTIVITY 7506.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW09
NJDEP ID #: 29-42580
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 5.49 ft
DEPTH OF WELL: 15.60 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW10
NJDEP ID #: 29-42581
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 6.12 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW11
NJDEP ID #: 29-42582
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 4.84 ft
DEPTH OF WELL: 14.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW12
NJDEP ID #: 29-42583
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 4.18 ft
DEPTH OF WELL: 15.31 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW13
NJDEP ID #: 29-42584
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 10.83 ft
DEPTH OF WELL: 18.55 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: N/A ft
( ) X .65 X 3 =N/A
GALLONS OF H_2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 0.0 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: N/A ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: gal

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O_2 mg/L SPECIFIC CONDUCTIVITY µs/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 812
MW#: 0812MW14
NJDEP ID #: 29-42888
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/22/08
WEATHER: Sunny and 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: 7.38 ft
DEPTH OF WELL: 14.65 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.27 ft
(7.27) X .65 X 3 =14.17
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 14:01
pH 6.55 su — TEMP 20.44 °C
DISSOLVED O_2 5.58 mg/L — SPECIFIC CONDUCTIVITY 3938.0 µs/cm

PURGE END TIME: 15:06
pH 6.17 su — TEMP 19.89 °C
DISSOLVED O_2 4.14 mg/L — SPECIFIC CONDUCTIVITY 4394.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.22 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 15:10
pH 6.02 su — TEMP 20.22 °C
DISSOLVED O_2 2.48 mg/L — SPECIFIC CONDUCTIVITY 4822.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS: MS/MSD. Here.

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2236.D	Sample Name	MB 10/24/08
Operator	ROBERTS	Field ID	METHOD 624 10/24/08
Date Acquired	24 Oct 2008 10:42 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB 10/24/08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: MB 10/24/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2236.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2251.D	Sample Name	8038301
Operator	ROBERTS	Field ID	812 TRIP BLANK
Date Acquired	24 Oct 2008 6:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 TRIP BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2251.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2252.D	Sample Name	8038302
Operator	ROBERTS	Field ID	812 FIELD BLANK
Date Acquired	24 Oct 2008 7:23 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 FIELD BLANK

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2252.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2253.D	Sample Name	8038303
Operator	ROBERTS	Field ID	812 DUP
Date Acquired	24 Oct 2008 7:55 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 DUP

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2253.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2254.D	Sample Name	8038304
Operator	ROBERTS	Field ID	812 MW#01
Date Acquired	24 Oct 2008 8:28 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

000028

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#01

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2254.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2255.D	Sample Name	8038305
Operator	ROBERTS	Field ID	812 MW#02
Date Acquired	24 Oct 2008 9:01 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

000030

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#02

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2255.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2256.D	Sample Name	8038306
Operator	ROBERTS	Field ID	812 MW#04
Date Acquired	24 Oct 2008 9:33 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride	6.07	284082	40.41 ug/L	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene	8.66	10957	1.07 ug/L	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene	10.05	5001	0.44 ug/L	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene	11.12	75979	2.19 ug/L	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene	13.75	281962	7.36 ug/L	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	16.13	1630228	37.12 ug/L	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	16.38	328341	19.03 ug/L	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene	17.22	512851	14.83 ug/L	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

000032

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#04

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2256.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 15

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	(DEL) Alkane: Straight-Chain	5.96	14	J
2.	unknown hydrocarbon	10.92	3	J
3.	unknown	11.57	4	J
4.	C3 alkyl benzene	17.77	3	J
5.	C3 alkyl benzene	18.55	6	J
6.	C3 alkyl benzene	18.71	3	J
7.	C3 alkyl benzene	19.32	15	J
8.	C3 alkyl benzene	19.65	11	J
9.	C3 alkyl benzene	20.49	7	J
10. 000496-11-7	Indane	20.79	14	JN
11.	C4 alkyl benzene	21.55	3	J
12.	1H-Indene-dihydro-methyl	21.86	6	J
13.	1H-Indene-dihydro-methyl	23.02	4	J
14.	unknown hydrocarbon	23.26	3	J
15.	1H-Indene-dihydro-methyl	23.40	8	J

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2257.D	Sample Name	8038307
Operator	ROBERTS	Field ID	812 MW#05
Date Acquired	24 Oct 2008 10:06 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	9.42	27255	2.02 ug/L	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane	10.67	11367	1.02 ug/L	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

000034

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#05

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2257.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2258.D	Sample Name	8038308
Operator	ROBERTS	Field ID	812 MW#06
Date Acquired	24 Oct 2008 10:38 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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10/27/2008 8:18 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#06

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2258.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

000037

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2259.D	Sample Name	8038309
Operator	ROBERTS	Field ID	812 MW#07
Date Acquired	24 Oct 2008 11:11 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane	6.82	7667	1.89 ug/L	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane	9.42	66773	5.00 ug/L	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

000038

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#07

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2259.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2260.D	Sample Name	8038310
Operator	ROBERTS	Field ID	812 MW#08
Date Acquired	24 Oct 2008 11:43 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

000040

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#08

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2260.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

000041

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA2246.D	Sample Name	8038311
Operator	ROBERTS	Field ID	812 MW#14
Date Acquired	24 Oct 2008 4:08 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 ug/L	10.00 ug/L	
107131	Acrylonitrile			not detected	2	2.07 ug/L	10.00 ug/L	
75650	tert-Butyl alcohol			not detected	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.15 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	20000	0.28 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	0.21 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	0.29 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.35 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.22 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	0.23 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	0.29 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	6000	0.16 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	0.22 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	0.23 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.18 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	50	0.21 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	0.17 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.18 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	0.23 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	70	0.18 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.22 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	0.20 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.19 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.22 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.27 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.16 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.12 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	0.15 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	0.20 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.15 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	0.19 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.20 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.18 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.09 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	1	0.19 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	0.16 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.18 ug/L	2.00 ug/L	
630-20-6	1,1,1,2-Tetracholoroethane			not detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.31 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.13 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.17 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.30 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	0.22 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.17 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.18 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.18 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9C 07Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

812 MW#14

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80383

Matrix: (soil/water) WATER Lab Sample ID: 8038311

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2246.D

Level: (low/med) LOW Date Received: 10/22/2008

% Moisture: not dec. _____ Date Analyzed: 10/24/2008

GC Column: RTX-VM ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

000043

LTM

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
09/09/2000D	FMETL	ND	ND	ND	ND	ND	ND			8.97	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			8.94	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			8.48	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
06/21/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.54	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.16	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			9.73	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			9.44	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			9.15	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			10.03	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			8.88	V,S,P,M
03/14/2003	FMETL	5.26	ND	ND	ND	ND	ND			8.26	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.57	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.52	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.21	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.85	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.16	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.01	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.83	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.17	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.06	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.32	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.59	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.80	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.33	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.39	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.96	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.63	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.76	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.01	V
10/22/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.47	V

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14

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FORT MONMOUTH
SELFM-PW-EV

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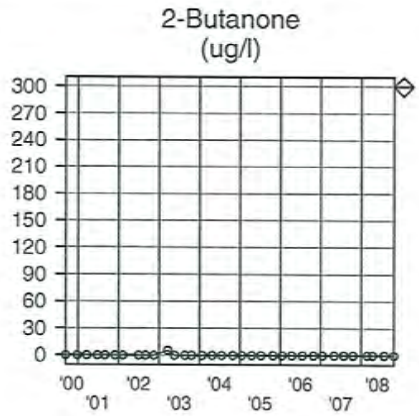

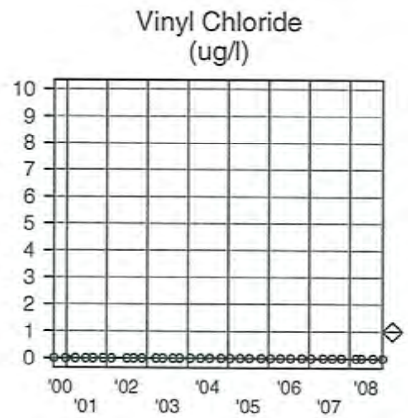

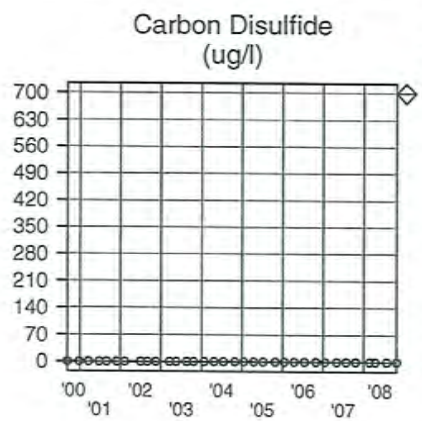

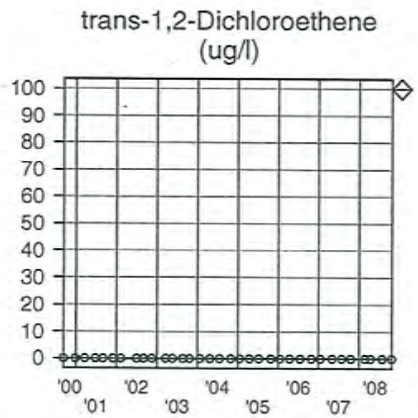

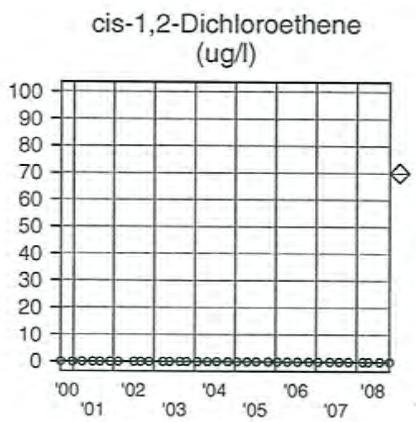

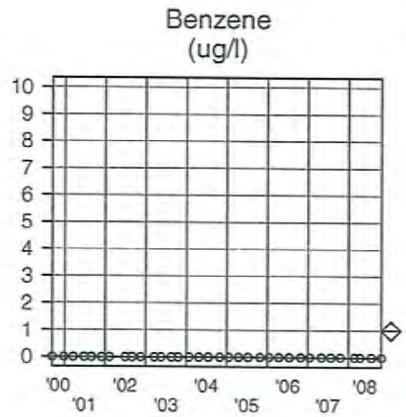

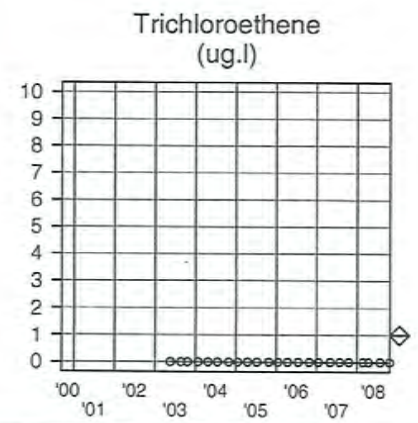

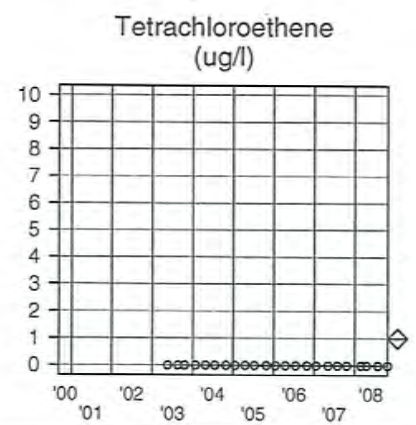

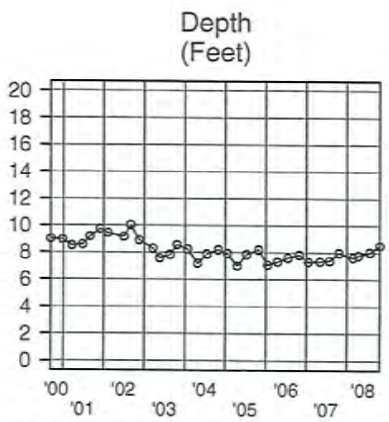

SOURCE: 0812MW01

Sampling Dates:
09/09/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 12 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-28-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/09/2000	FMETL	ND	ND	4.27	ND	ND	ND			6.67	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			6.93	V,S,P,M
03/16/2001	FMETL	ND	ND	ND	ND	ND	ND			6.06	V,S,P,M
06/21/2001	FMETL	ND	ND	ND	ND	ND	ND			5.98	V,S,P,M
08/27/2001	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
11/27/2001	FMETL	ND	ND	ND	ND	ND	ND			7.95	V,S,P,M
02/06/2002	FMETL	ND	ND	ND	ND	ND	ND			8.25	V,S,P,M
06/28/2002	FMETL	ND	ND	ND	ND	ND	ND			8.66	V,S,P,M
08/28/2002	FMETL	ND	ND	ND	ND	ND	ND			7.67	V,S,P,M
11/14/2002	FMETL	ND	ND	ND	ND	ND	ND			6.67	V,S,P,M
03/14/2003	FMETL	ND	ND	ND	ND	ND	ND			5.54	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V,S,P,M
08/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V,S,P,M
10/20/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.1	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.27	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.43	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.08	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.05	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.30	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.98	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.82	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.91	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.09	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.16	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.83	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.48	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.63	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.23	V
10/22/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.33	V

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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Source 13 of 14

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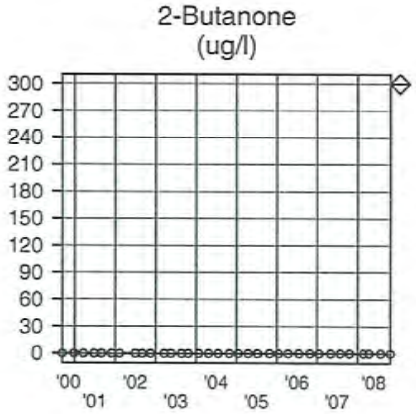

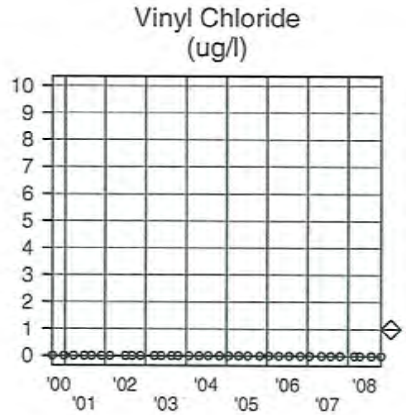

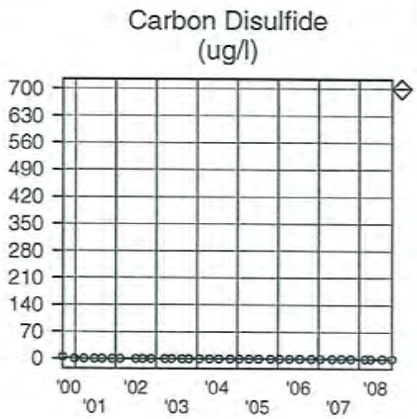

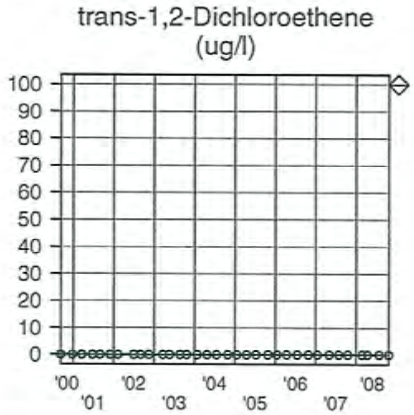

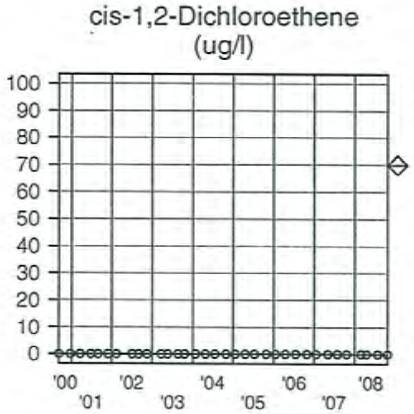

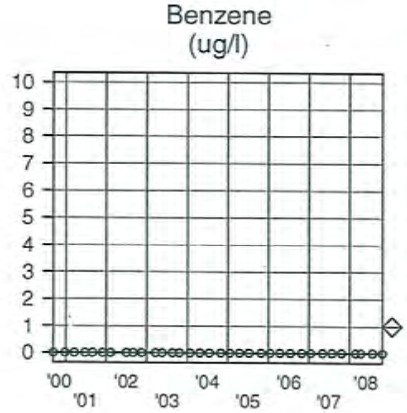

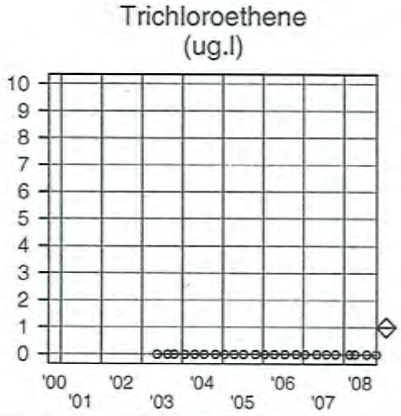

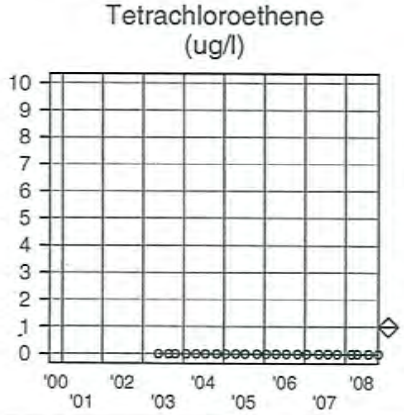

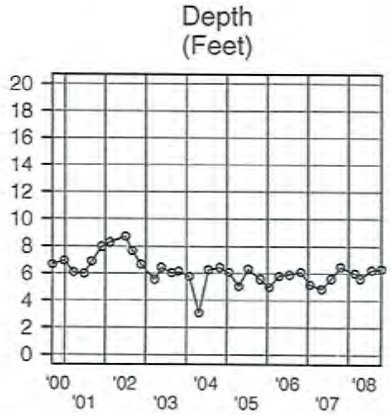

SOURCE: 0812MW02

Sampling Dates:
09/09/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 13 of 14, Graph

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FORT MONMOUTH
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10-28-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/09/2000	FMETL	6.61									V,S,P,M
12/27/2000	FMETL	6.86									V,S,P,M
03/16/2001	FMETL	5.95									V,S,P,M
03/16/2001D	FMETL	5.95									V,S,P,M
06/21/2001	FMETL	5.85									V,S,P,M
08/27/2001	FMETL	6.66									V,S,P,M
08/27/2001D	FMETL	6.66									V,S,P,M
11/27/2001	FMETL	7.69									V,S,P,M
02/06/2002	FMETL	7.29									V,S,P,M
06/28/2002	FMETL	7.07									V,S,P,M
08/28/2002	FMETL	7.50									V,S,P,M
11/14/2002	FMETL	6.43									V,S,P,M
03/14/2003	FMETL	5.25									V,S,P,M
05/15/2003	FMETL	5.50									V,S,P,M
08/20/2003	FMETL	5.57									V,S,P,M
10/20/2003	FMETL	6.31									V,S,P,M
01/22/2004	FMETL	6.32									NS
04/22/2004	FMETL	5.51									NS
11/01/2004	FMETL	6.44									NS
04/12/2005	FMETL	6.63									NS
10/26/2005	FMETL	5.92									NS
01/11/2006	FMETL	5.36									NS
04/12/2006	FMETL	5.51									NS
07/14/2006	FMETL	5.58									NS
10/25/2006	FMETL	5.43									NS
01/11/2007	FMETL	5.25									NS
04/30/2007	FMETL	4.58									NS
07/24/2007	FMETL	5.56									NS
10/17/2007	FMETL	6.11									NS
02/20/2008	FMETL	5.86									NS
04/09/2008	FMETL	5.23									NS
07/25/2008	FMETL	6.14									NS
10/22/2008	FMETL	6.60									NS

SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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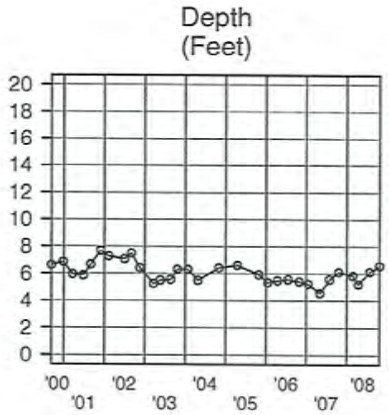
10-28-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\812\812.WSF



SOURCE: 0812MW03

Sampling Dates:
09/09/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 14 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	4793.33	ND	326.30	5669.25	6.58			4.76	V,S,P,M
12/27/2000	FMETL	ND	3304.10	ND	99.81	406.83	4.17			4.54	V,S,P,M
03/23/2001	FMETL	6.51	355.91	ND	22.64	316.55	ND			3.89	V,S,P,M
06/22/2001	FMETL	ND	547.7	ND	13.88	56.72	ND			5.45	V,S,P,M
09/07/2001	FMETL	ND	3299.91	1.84	101.33	196.94	6.75			4.97	V,S,P,M
12/03/2001	FMETL	ND	2255.66	ND	60.82	125.92	3.51			5.09	V,S,P,M
02/08/2002	FMETL	ND	4088.63	12.65	159.6	864.87	5.87			4.10	V,S,P,M
06/13/2002	FMETL	ND	4114.45	26.65	166.9	509.66	8.04			4.10	V,S,P,M
08/23/2002	FMETL	ND	4451.45	10.71	54.95	40.90	5.43			4.23	V,S,P,M
11/07/2002	FMETL	95.28	61.91	ND	1.21	7.76	ND			3.10	V,S,P,M
02/21/2003	FMETL	199.53	523.59	ND	13.59	178.9	1.41	1.72	2.33	4.81	V,S,P,M
05/15/2003	FMETL	96.84	111.93	ND	ND	6.84	ND	ND	ND	4.57	V,S,P,M
08/21/2003	FMETL	915.3	321.42	5.09	6.38	37.35	ND	ND	ND	4.05	V,S,P,M
10/22/2003	FMETL	220.34	44.28	ND	ND	4.58	0.58	ND	ND	4.00	V,S,P,M
01/22/2004	FMETL	ND	4.06	ND	ND	ND	ND	ND	ND	3.80	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.2	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.81	V
10/28/2004	FMETL	ND	47.06	ND	2.55	ND	3.28	ND	ND	4.49	V
01/12/2005	FMETL	74.88	30.64	ND	1.54	1.19	0.46	ND	ND	0.08	V
04/12/2005	FMETL	182.21	31.84	ND	1.03	ND	1.98	ND	ND	1.62	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.92	V
10/26/2005	FMETL	ND	42.61	ND	1.54	0.51	1.77	ND	ND	0.64	V
01/11/2006	FMETL	ND	1.31	ND	ND	ND	ND	ND	ND	2.42	V
04/12/2006	FMETL	ND	ND	ND	0.75	0.30	1.50	ND	ND	3.75	V
07/14/2006	FMETL	ND	8.82	ND	ND	1.22	ND	ND	ND	3.33	V
10/25/2006	FMETL	ND	17.17	ND	0.75	0.39	0.92	ND	ND	3.02	V
01/11/2007	FMETL	ND	1.98	ND	ND	ND	ND	ND	ND	2.35	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.82	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	1.53	V
10/17/2007	FMETL	ND	ND	ND	0.81	0.66	2.80	ND	ND	4.56	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.12	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	2.87	V
07/25/2008	FMETL	ND	22.47	ND	1.05	1.11	1.49	ND	ND	4.00	V
10/22/2008	FMETL	ND	40.41	ND	1.07	0.44	2.19	ND	ND	4.35	V

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

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U.S.ARMY
FORT MONMOUTH
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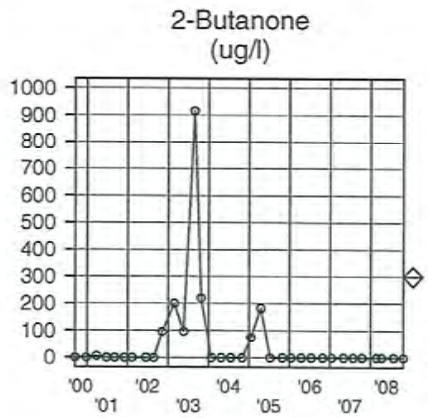

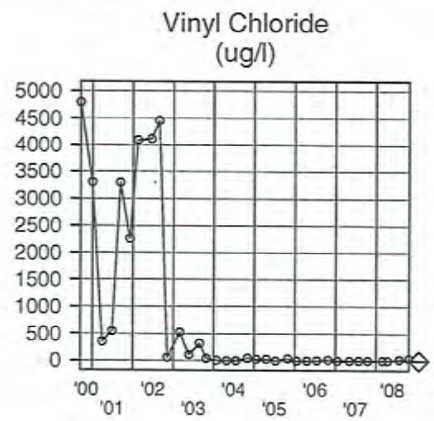

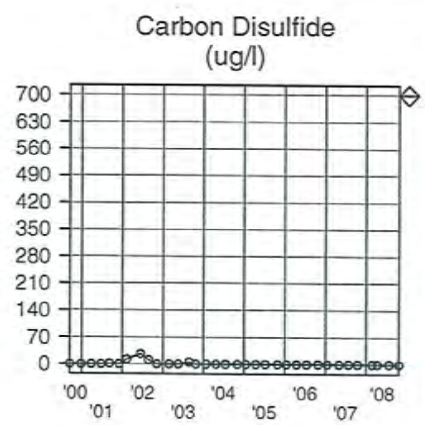

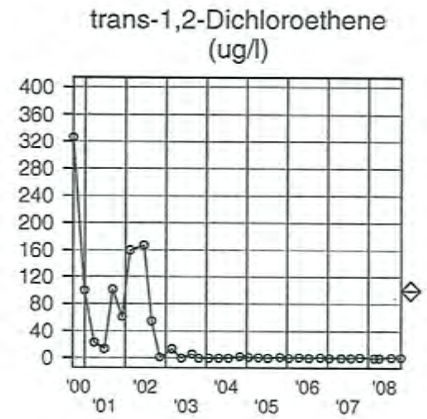

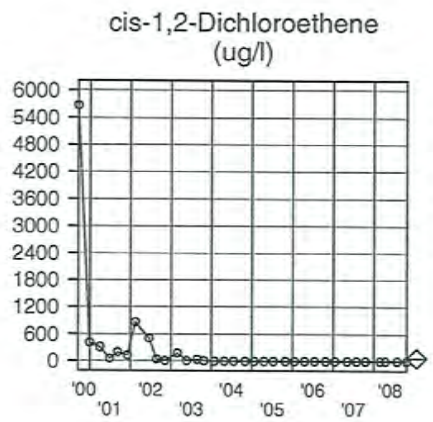

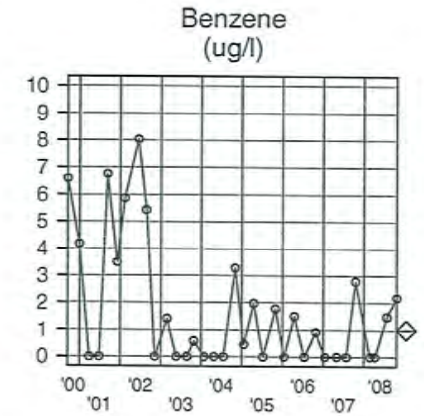

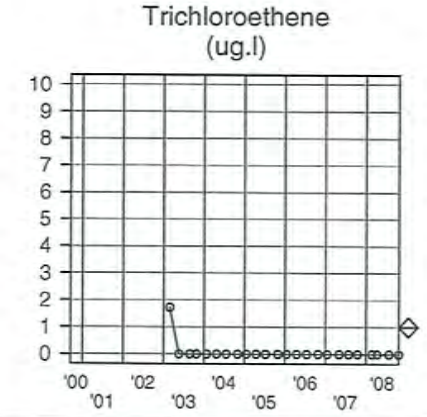

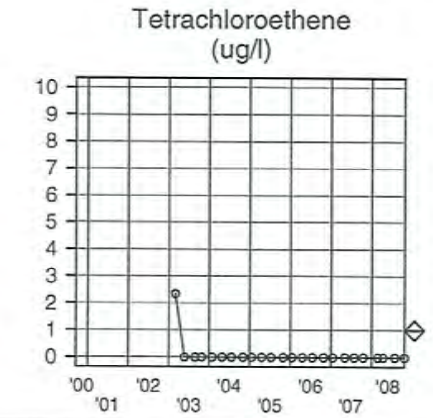

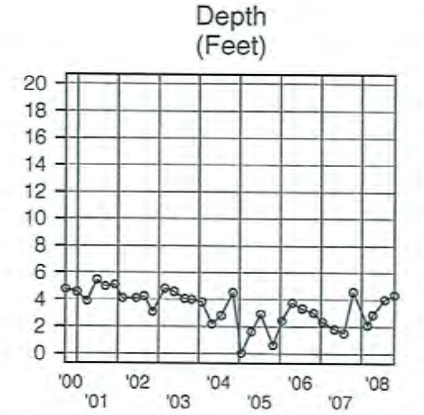

SOURCE: 0812MW04

Sampling Dates:
09/14/2000 - 10/22/2008

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			9.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			10.12	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
03/23/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.83	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			9.54	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			10.38	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			11.16	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			10.87	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			10.25	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.13	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			9.85	V,S,P,M
03/07/2003	FMETL	5.90	ND	4.93	ND	ND	ND	ND	ND	8.17	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.40	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.85	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.75	V,S,P,M
01/22/2004	FMETL	140.15	ND	ND	ND	ND	ND	ND	0.44	8.78	V
04/22/2004	FMETL	123.5	ND	5.69	ND	ND	ND	ND	0.7	9.48	V
07/14/2004	FMETL	83.49	ND	ND	ND	ND	ND	ND	0.86	8.89	V
11/01/2004	FMETL	4.11	ND	ND	ND	ND	ND	ND	ND	9.70	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	0.68	8.72	V
04/12/2005	FMETL	7.55	ND	ND	ND	ND	ND	ND	0.70	7.89	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	1.02	ND	ND	8.81	V
10/26/2005	FMETL	47.18	ND	ND	ND	ND	ND	ND	ND	7.95	V
01/11/2006	FMETL	27.45	ND	ND	ND	ND	ND	ND	ND	7.76	V
04/12/2006	FMETL	6.60	ND	ND	ND	0.25	ND	ND	ND	8.51	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.65	V
10/26/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.81	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.91	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.20	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.69	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.47	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.29	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.32	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.22	V
10/22/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.86	V

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
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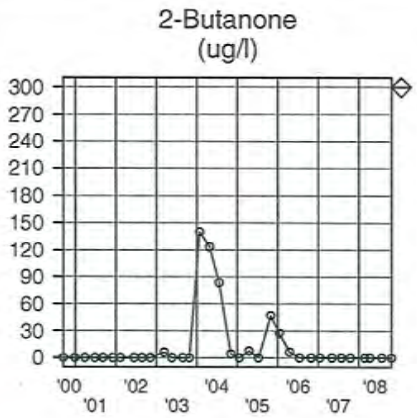

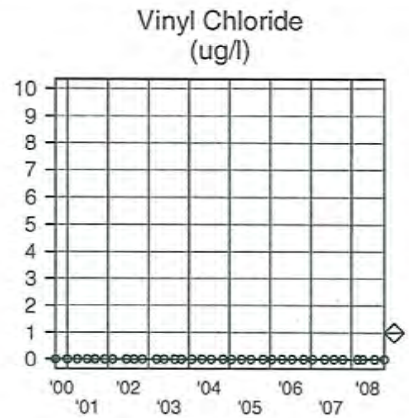

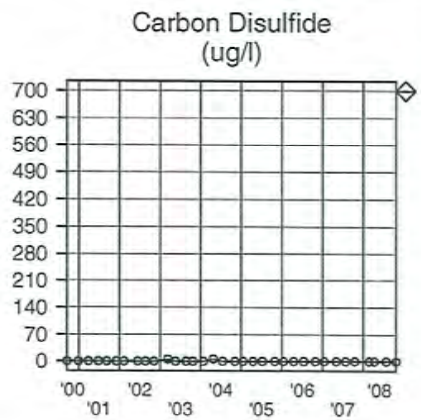

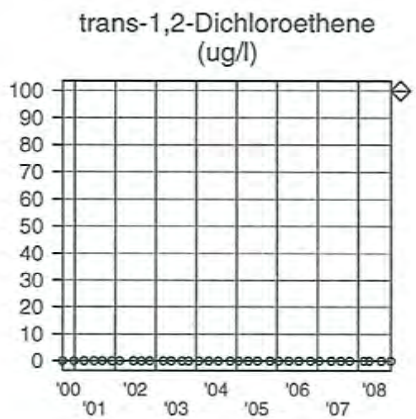

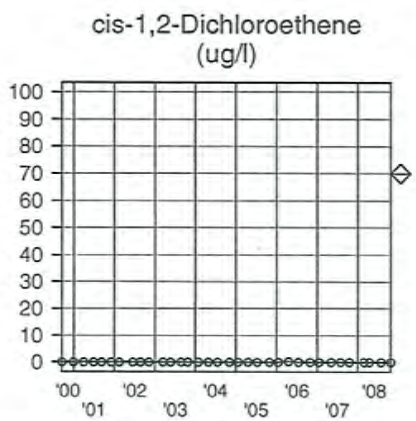

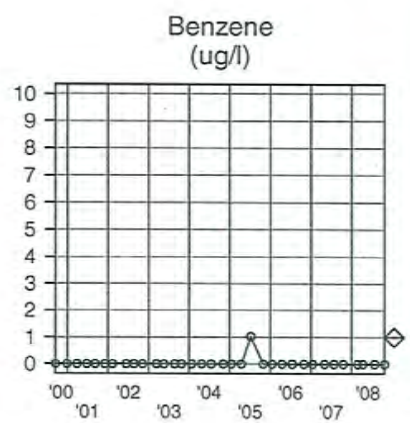

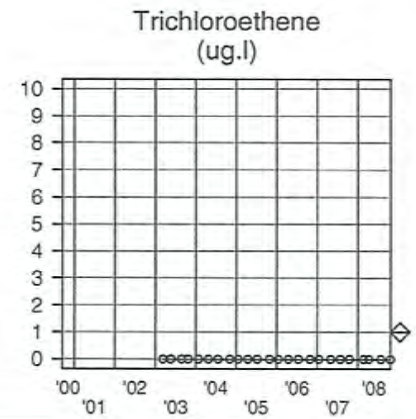

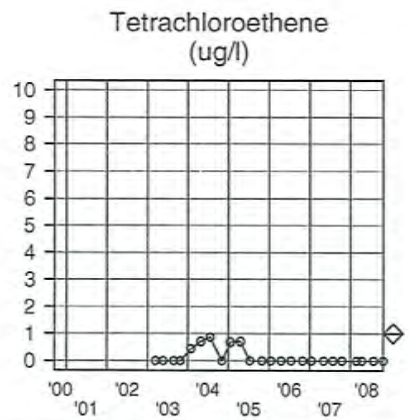

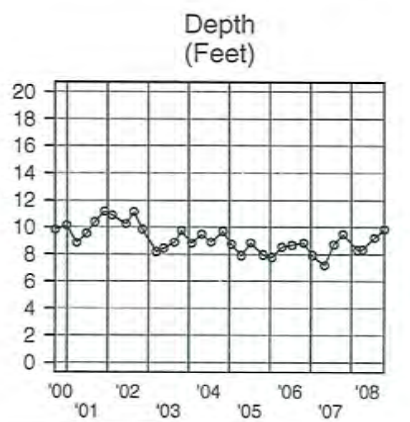

SOURCE: 0812MW05

Sampling Dates:
09/14/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.83	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.99	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			7.45	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			8.37	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
12/03/2001D	FMETL	ND	ND	ND	ND	ND	ND			8.75	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			8.46	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.98	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.72	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			7.65	V,S,P,M
03/07/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.44	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.38	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.99	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.56	V,S,P,M
01/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.94	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.82	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.49	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.73	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.07	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.80	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.03	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.97	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.60	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.58	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.12	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.58	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.56	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.14	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.33	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.36	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.96	V
10/22/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.43	V

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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GW MONITORING
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FORT MONMOUTH
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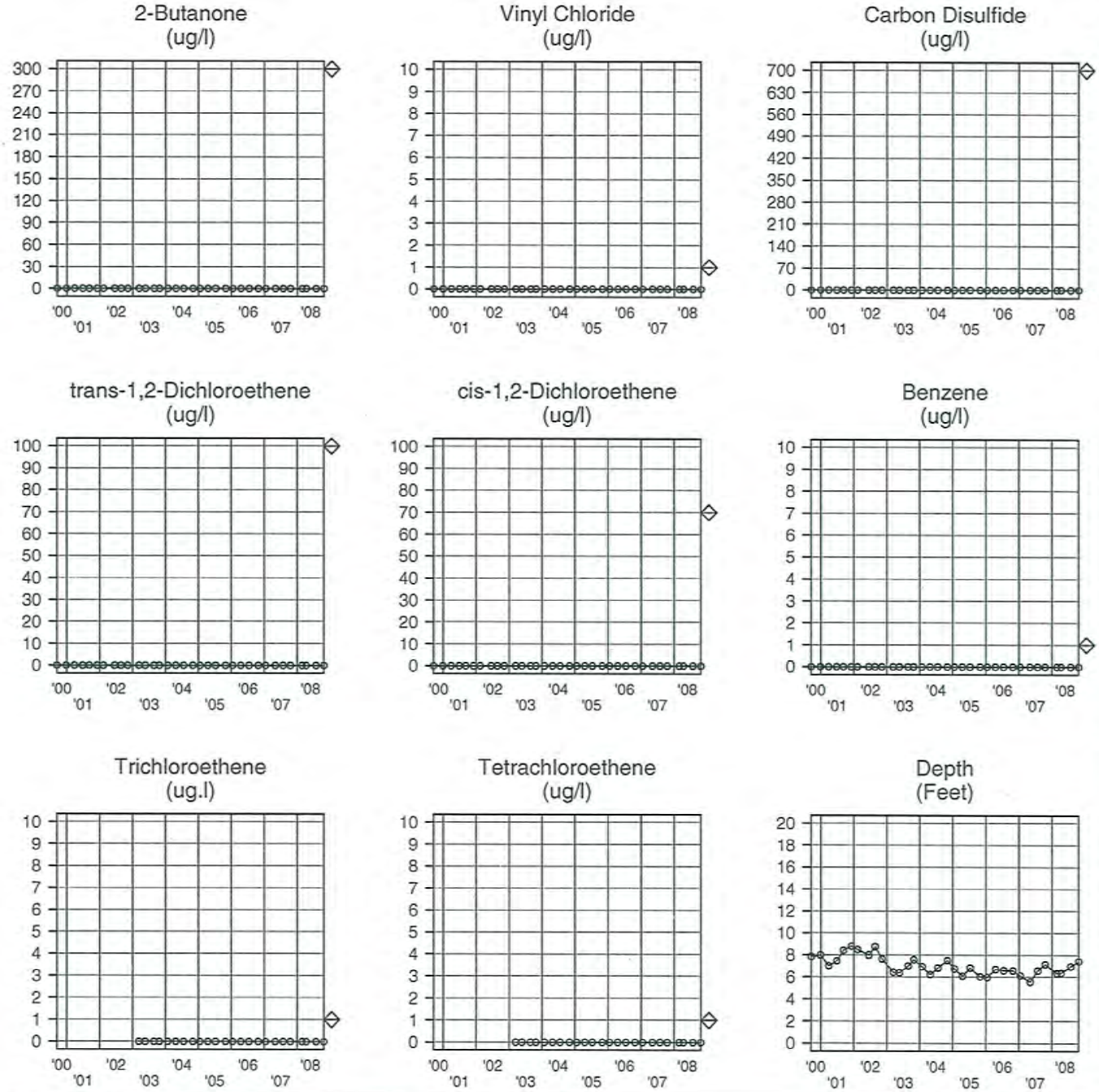

SOURCE: 0812MW06

Sampling Dates:
09/14/2000 - 10/22/2008

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o = Date Sampled

NJDEP Criteria

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			11.19	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			11.22	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			10.47	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			10.80	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			11.33	V,S,P,M
12/03/2001	FMETL	ND	ND	5.85	ND	ND	ND			11.96	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			11.70	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			11.17	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			11.80	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			10.83	V,S,P,M
03/07/2003	FMETL	6.21	ND	8.27	ND	ND	ND	ND	ND	9.76	V,S,P,M
05/15/2003	FMETL	198.04	ND	17.95	ND	ND	ND	ND	ND	10.02	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.18	V,S,P,M
10/22/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.75	V,S,P,M
01/22/2004	FMETL	220.85	ND	ND	ND	ND	ND	ND	0.46	11.11	V
04/22/2004	FMETL	25.54	ND	ND	ND	ND	ND	ND	ND	7.88	V
07/14/2004	FMETL	37.80	ND	ND	ND	ND	ND	ND	ND	9.90	V
11/01/2004	FMETL	111.58	ND	ND	ND	ND	ND	ND	ND	10.63	V
01/12/2005	FMETL	76.22	ND	ND	ND	ND	ND	ND	ND	10.00	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.27	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.96	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.17	V
01/11/2006	FMETL	2.51	ND	ND	ND	ND	ND	ND	ND	9.10	V
04/12/2006	FMETL	20.19	ND	ND	ND	ND	ND	ND	ND	9.83	V
07/14/2006	FMETL	30.05	ND	ND	ND	ND	ND	ND	ND	9.72	V
10/26/2006	FMETL	2.76	ND	ND	ND	ND	ND	ND	ND	9.76	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.28	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	8.72	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.73	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.22	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.50	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	9.54	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.02	V
10/22/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	10.43	V

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
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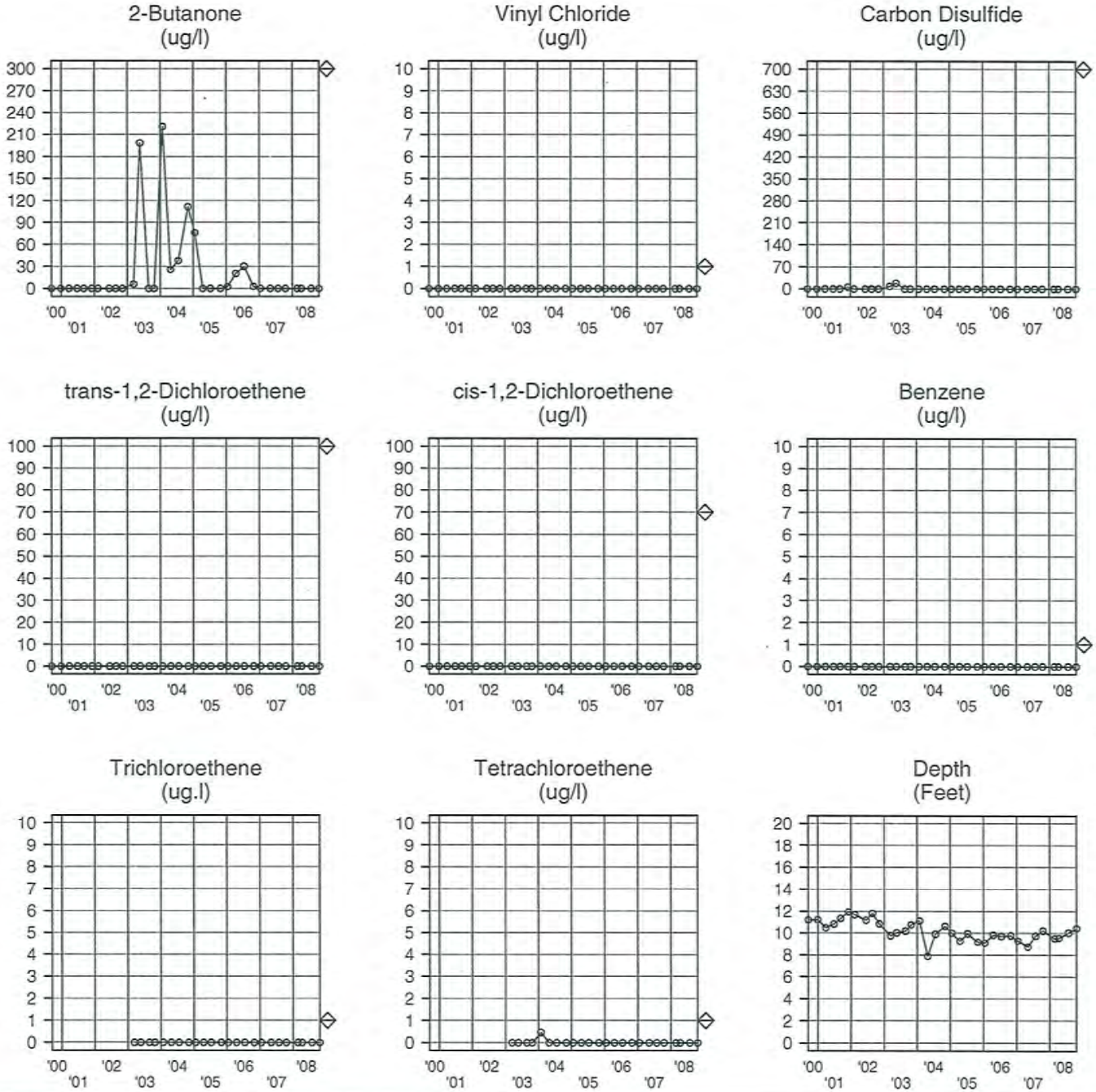

SOURCE: 0812MW07

Sampling Dates:
09/14/2000 - 10/22/2008

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o = Date Sampled

NJDEP Criteria

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	Lab	2-But anone	Vinyl Chloride	Carbon Di sulfide	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Benzene	Trichloro ethene	Tetra chloro ethene	Depth	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug.l	ug/l	Feet	-
NJDEP Criteria:	-	300	1	700	100	70	1	1	1	-	-
09/14/2000	FMETL	ND	ND	ND	ND	ND	ND			7.23	V,S,P,M
12/27/2000	FMETL	ND	ND	ND	ND	ND	ND			7.32	V,S,P,M
03/23/2001	FMETL	ND	ND	ND	ND	ND	ND			6.56	V,S,P,M
06/22/2001	FMETL	ND	ND	ND	ND	ND	ND			6.90	V,S,P,M
09/07/2001	FMETL	ND	ND	ND	ND	ND	ND			7.52	V,S,P,M
12/03/2001	FMETL	ND	ND	ND	ND	ND	ND			8.07	V,S,P,M
02/08/2002	FMETL	ND	ND	ND	ND	ND	ND			7.82	V,S,P,M
06/13/2002	FMETL	ND	ND	ND	ND	ND	ND			7.36	V,S,P,M
08/23/2002	FMETL	ND	ND	ND	ND	ND	ND			8.03	V,S,P,M
11/07/2002	FMETL	ND	ND	ND	ND	ND	ND			6.87	V,S,P,M
02/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.68	V,S,P,M
05/15/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.20	V,S,P,M
08/21/2003	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.35	V,S,P,M
10/22/2003	FMETL	3.85	ND	ND	ND	ND	ND	ND	ND	6.58	V,S,P,M
01/22/2004	FMETL	10.62	ND	3.06	ND	ND	ND	ND	0.46	6.35	V
04/22/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.75	V
07/14/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.24	V
10/28/2004	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.77	V
01/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.11	V
04/12/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.78	V
07/06/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.14	V
10/26/2005	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.51	V
01/11/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.62	V
04/12/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.96	V
07/14/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.02	V
10/25/2006	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.59	V
01/11/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.73	V
04/30/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.44	V
07/24/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.76	V
10/17/2007	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.39	V
02/20/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.70	V
04/09/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.90	V
07/25/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.22	V
10/22/2008	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.67	V

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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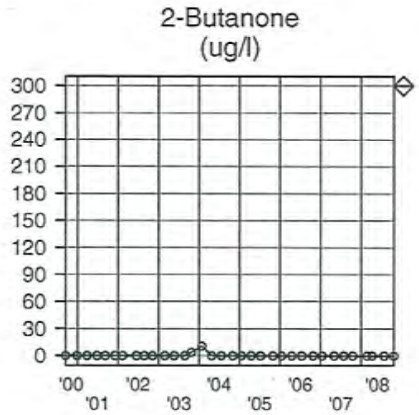

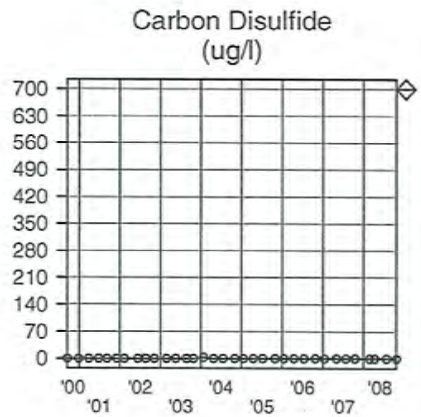

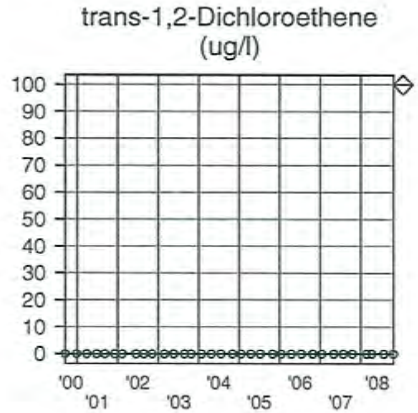

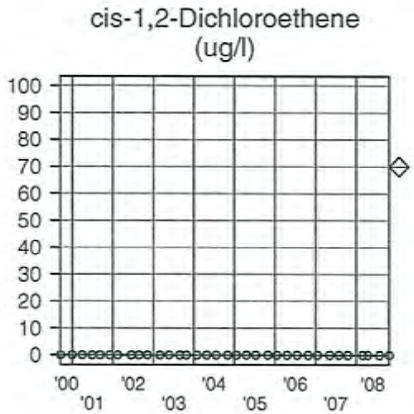

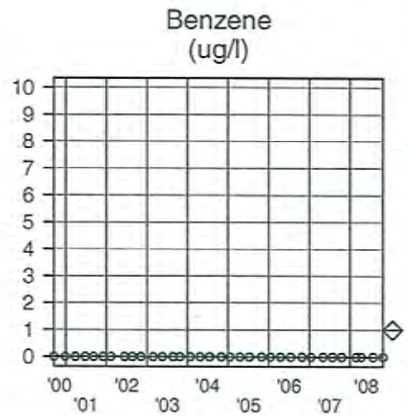

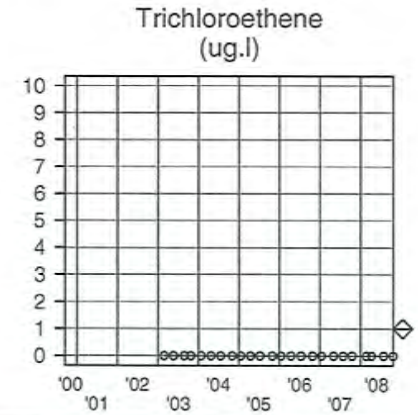

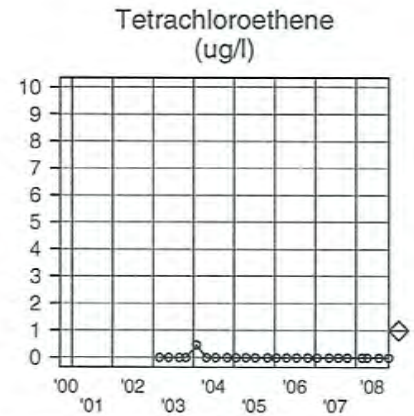

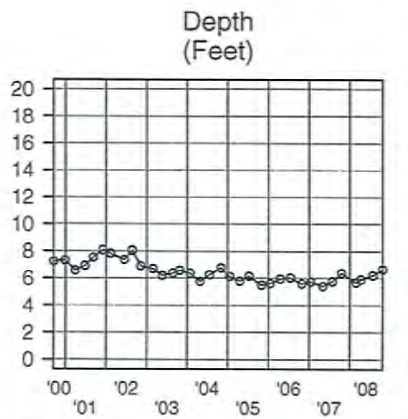

SOURCE: 0812MW08

Sampling Dates:
09/14/2000 - 10/22/2008

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NJDEP Criteria

FORT MONMOUTH

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	6.08									V,S,P,M
12/27/2000	FMETL	6.31									V,S,P,M
03/23/2001	FMETL	5.90									V,S,P,M
06/22/2001	FMETL	6.21									V,S,P,M
09/07/2001	FMETL	6.57									V,S,P,M
12/03/2001	FMETL	7.05									V,S,P,M
02/08/2002	FMETL	6.85									V,S,P,M
06/13/2002	FMETL	6.49									V,S,P,M
08/23/2002	FMETL	6.83									V,S,P,M
11/07/2002	FMETL	5.84									V,S,P,M
02/21/2003	FMETL	6.00									V,S,P,M
05/15/2003	FMETL	5.59									V,S,P,M
08/21/2003	FMETL	5.55									V,S,P,M
10/22/2003	FMETL	6.08									V,S,P,M
01/22/2004	FMETL	5.77									NS
04/22/2004	FMETL	9.11									NS
11/01/2004	FMETL	6.37									NS
04/12/2005	FMETL	5.19									NS
10/26/2005	FMETL	5.32									NS
01/11/2006	FMETL	4.97									NS
04/12/2006	FMETL	5.26									NS
07/14/2006	FMETL	5.08									NS
10/25/2006	FMETL	5.15									NS
01/11/2007	FMETL	4.88									NS
04/30/2007	FMETL	4.72									NS
07/24/2007	FMETL	5.04									NS
10/17/2007	FMETL	5.18									NS
02/20/2008	FMETL	4.91									NS
04/09/2008	FMETL	5.06									ND
07/25/2008	FMETL	5.21									NS
10/22/2008	FMETL	5.49									NS

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
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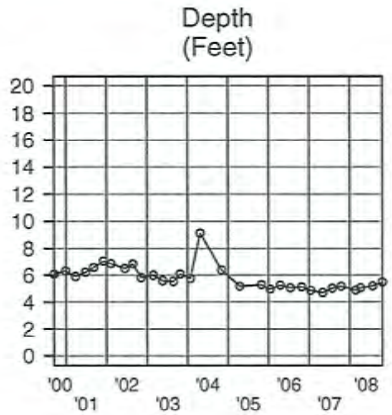

SOURCE: 0812MW09

Sampling Dates:
09/14/2000 - 10/22/2008

LEGEND:

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o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	7.19									V,S,P,M
12/27/2000	FMETL	7.45									V,S,P,M
03/23/2001	FMETL	6.95									V,S,P,M
06/22/2001	FMETL	7.04									V,S,P,M
09/07/2001	FMETL	7.32									V,S,P,M
12/03/2001	FMETL	7.68									V,S,P,M
02/08/2002	FMETL	7.63									V,S,P,M
06/13/2002	FMETL	7.25									V,S,P,M
08/23/2002	FMETL	7.51									V,S,P,M
11/07/2002	FMETL	7.03									V,S,P,M
02/21/2003	FMETL	7.36									V,S,P,M
05/15/2003	FMETL	6.87									V,S,P,M
08/21/2003	FMETL	6.71									V,S,P,M
10/22/2003	FMETL	6.91									V,S,P,M
01/22/2004	FMETL	6.89									NS
04/22/2004	FMETL	6.3									NS
11/01/2004	FMETL	6.31									NS
04/12/2005	FMETL	6.31									NS
10/26/2005	FMETL	5.58									NS
01/11/2006	FMETL	5.03									NS
04/12/2006	FMETL	6.41									NS
07/14/2006	FMETL	5.86									NS
10/25/2006	FMETL	5.46									NS
01/11/2007	FMETL	5.67									ND
04/30/2007	FMETL	5.71									NS
07/24/2007	FMETL	5.90									NS
10/17/2007	FMETL	6.04									NS
02/20/2008	FMETL	5.98									NS
04/09/2008	FMETL	5.95									ND
07/25/2008	FMETL	5.86									NS
10/22/2008	FMETL	6.12									NS

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

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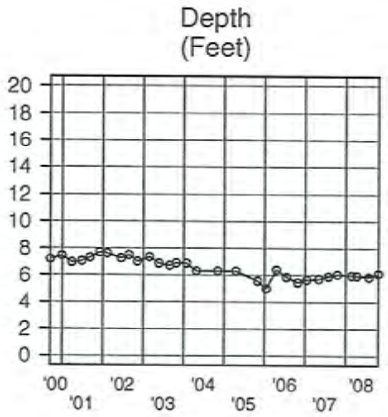

SOURCE: 0812MW10

Sampling Dates:
09/14/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 2 of 14, Graph

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	5.39									V,S,P,M
12/27/2000	FMETL	5.58									V,S,P,M
03/23/2001	FMETL	4.03									V,S,P,M
06/22/2001	FMETL	5.11									V,S,P,M
09/07/2001	FMETL	5.73									V,S,P,M
12/03/2001	FMETL	6.15									V,S,P,M
02/08/2002	FMETL	5.95									V,S,P,M
06/13/2002	FMETL	7.55									V,S,P,M
08/23/2002	FMETL	6.10									V,S,P,M
11/07/2002	FMETL	5.01									V,S,P,M
03/07/2003	FMETL	4.28									V,S,P,M
05/15/2003	FMETL	5.15									V,S,P,M
08/21/2003	FMETL	5.05									V,S,P,M
10/22/2003	FMETL	5.50									V,S,P,M
01/22/2004	FMETL	5.13									NS
04/22/2004	FMETL	4.75									NS
11/01/2004	FMETL	4.27									NS
04/12/2005	FMETL	4.42									NS
10/26/2005	FMETL	3.62									NS
01/11/2006	FMETL	4.02									NS
04/12/2006	FMETL	5.07									NS
07/14/2006	FMETL	4.76									NS
10/25/2006	FMETL	3.99									NS
01/11/2007	FMETL	4.01									NS
04/30/2007	FMETL	3.86									NS
07/24/2007	FMETL	4.02									NS
10/17/2007	FMETL	5.01									NS
02/20/2008	FMETL	4.15									NS
04/09/2008	FMETL	4.58									NS
07/25/2008	FMETL	5.01									ND
10/22/2008	FMETL	4.84									NS

SOURCE: 0812MW11

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

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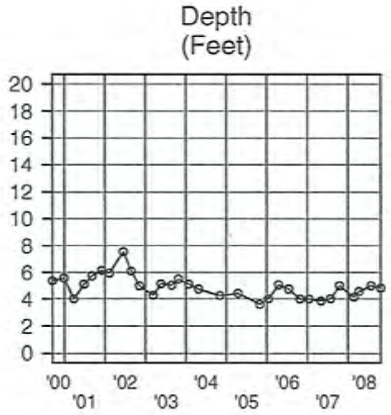

SOURCE: 0812MW11

Sampling Dates:
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LEGEND:

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NJDEP Criteria

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	4.42									V,S,P,M
12/27/2000	FMETL	4.39									V,S,P,M
12/27/2000D	FMETL	4.39									V,S,P,M
03/23/2001	FMETL	3.57									V,S,P,M
06/22/2001	FMETL	3.93									V,S,P,M
09/07/2001	FMETL	4.82									V,S,P,M
12/03/2001	FMETL	4.83									V,S,P,M
02/08/2002	FMETL	5.25									V,S,P,M
06/13/2002	FMETL	4.76									V,S,P,M
08/23/2002	FMETL	5.55									V,S,P,M
11/07/2002	FMETL	4.72									V,S,P,M
03/07/2003	FMETL	3.28									V,S,P,M
05/15/2003	FMETL	3.32									V,S,P,M
08/21/2003	FMETL	3.44									V,S,P,M
10/22/2003	FMETL	3.95									V,S,P,M
01/22/2004	FMETL	3.45									NS
04/22/2004	FMETL	3.49									NS
11/01/2004	FMETL	4.11									NS
04/12/2005	FMETL	3.27									NS
10/26/2005	FMETL	3.11									NS
01/11/2006	FMETL	2.79									NS
04/12/2006	FMETL	2.94									NS
07/14/2006	FMETL	3.33									NS
10/25/2006	FMETL	3.42									NS
01/11/2007	FMETL	3.15									NS
04/30/2007	FMETL	2.72									NS
07/24/2007	FMETL	3.07									NS
10/17/2007	FMETL	3.74									NS
02/20/2008	FMETL	NS									3.33
04/09/2008	FMETL	3.26									NS
07/25/2008	FMETL	3.80									NS
10/22/2008	FMETL	4.18									NS

SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

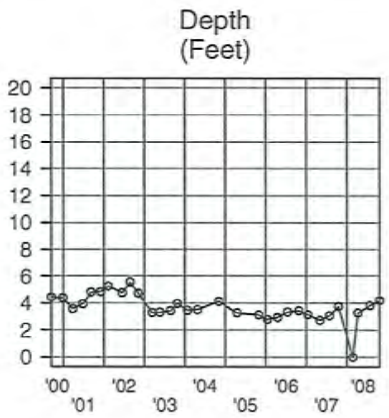
FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000067



SOURCE: 0812MW12

Sampling Dates:
09/14/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 3 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	Depth									Notes
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
09/14/2000	FMETL	10.34									V,S,P,M
12/27/2000	FMETL	10.63									V,S,P,M
03/23/2001	FMETL	8.99									V,S,P,M
06/22/2001	FMETL	9.50									V,S,P,M
09/07/2001	FMETL	10.98									V,S,P,M
12/03/2001	FMETL	12.05									V,S,P,M
02/08/2002	FMETL	11.80									V,S,P,M
06/13/2002	FMETL	10.92									V,S,P,M
08/23/2002	FMETL	12.04									V,S,P,M
11/07/2002	FMETL	10.46									V,S,P,M
03/07/2003	FMETL	8.42									V,S,P,M
05/15/2003	FMETL	8.43									V,S,P,M
08/21/2003	FMETL	8.91									V,S,P,M
10/22/2003	FMETL	10.40									V,S,P,M
01/22/2004	FMETL	9.15									NS
04/22/2004	FMETL	8.2									NS
11/01/2004	FMETL	7.77									NS
04/12/2005	FMETL	7.81									NS
10/26/2005	FMETL	8.86									NS
01/11/2006	FMETL	7.882									NS
04/12/2006	FMETL	8.68									NS
07/14/2006	FMETL	9.21									NS
10/25/2006	FMETL	9.48									NS
01/11/2007	FMETL	8.59									NS
04/30/2007	FMETL	7.31									NS
07/24/2007	FMETL	9.35									NS
10/07/2007	FMETL	10.31									NS
02/20/2008	FMETL	9.08									NS
04/09/2008	FMETL	8.76									NS
07/25/2008	FMETL	9.98									ND
10/22/2008	FMETL	10.83									NS

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/22/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000069

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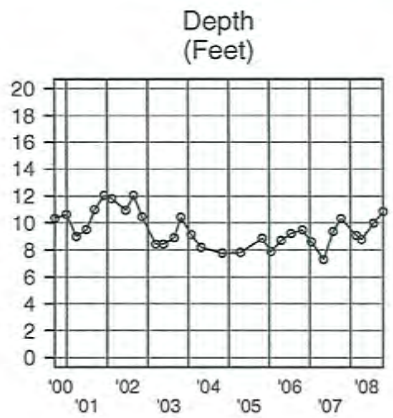

SOURCE: 0812MW13

Sampling Dates:
09/14/2000 - 10/22/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
M-8 Bldg 697

Source 9 of 14, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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Appendix E

Fort Monmouth Directorate of Public Works
Analytical Standard Operating Procedures

Retired 1/28/03

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0205
Revision No.: ~~1~~ New
Date Revised: 8/9/99

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP Sites at Fort Monmouth

1 PURPOSE:

To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:

Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 REFERENCES:

3.1 Field Sampling Procedures Manual, May 1992 (most current). New Jersey Department of Environmental Protection and Energy.

3.2 Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities developed by NIOSH, OSHA, USCG, EPA. Oct. 1985

3.3 NJDEP Field Analysis Manual, July 1994.

3.4 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.

3.5 Lab SOP: SAM-0200, SAM-0202, OQC-0302

4 SUMMARY:

The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual.

Prepared By D. Wright Date 8-11-99

Approved By Jackie Hamer Date 8/11/99
QA Manager / Laboratory Director

Retired 1/28/03

5 EQUIPMENT AND MATERIALS:

5.1 Equipment

5.1.1 Dissolved oxygen meter
5.1.2 HNU photo ionizer
5.1.3 Conductivity/pH/temp meter
5.1.4 Peristaltic well pumps
5.1.5 Pump heads and power cables
5.1.6 Water level meter
5.1.7 Oil/water interface probe
5.1.8 Submersible well pumps
5.1.9 Various batteries
5.1.10 Buckets
5.1.11 Miscellaneous tools, i.e. screwdriver, well wrench, etc.

5.2 Materials:

5.2.1 Thick wall silicone tubing ¼ inch diameter,
5.2.2 Polyethylene (food grade) tubing ¼ inch diameter,
5.2.3 12 inch single sample 1 check stop teflon disposable bailers,
5.2.4 Mason string.

6 STANDARDS/REAGENTS:

6.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.

6.1.1 Buffer solutions:

6.1.1.1 7.00 standard buffer solution
6.1.1.2 10.00 standard buffer solution
6.1.1.3 4.00 standard buffer solution
6.1.1.4 Distilled and deionized water
6.1.1.5 Alconox
6.1.1.6 10 % nitric acid rinse (trace metal or higher grade HNO3 diluted with distilled/deionized (ATSM Type II) H2O)
6.1.1.7 Acetone (pesticide grade)
6.1.1.8 Pure nitrogen 100 ppm Isobutylene cal gas.

6.1.2 Acids/materials used in preserving samples:

6.1.2.1 Nitric acid 69, 0-70.0%
6.1.2.2 Sulfuric acid 50% (w/w) solution
6.1.2.3 Hydrochloric acid (trace metal grade)
6.1.2.4 Ice for keeping samples at <4 degrees celcius.

Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field).

7 CALIBRATION:

All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a winkler method test weekly. All calibrations for a given day's use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Likewise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against an NIST traceable thermometer annually.

8 PROCEDURE:

The following articles document the procedures for sampling monitor wells. They are to be used as a guide, by trained personnel, in conjunction with the NJDEP Field Sampling Procedures Manual.

8.1.1 Preparation: It should be noted that before going out into the field, certain preparations must be made. This includes the selection of PPE, safety plans, proper bottle acquisition for analytes being tested, site entry, map information, and equipment.

8.1.2 Selection of PPE: For adequate protection and prevention of contaminant exposure to workers at hazardous waste sites in all phases of work, PPE is properly used and supplied. Determination of PPE will be outlined in a Health and Safety Plan, and also by preliminary site investigations. Refer to NJDEP Field Sampling Procedures Manual, and the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities.

8.1.3 Health and Safety Plans: These plans are developed to encompass all the aspects of site operations. Plans are available to personnel associated with site sampling and a copy is kept on file at the site (in this case, the laboratory). At a minimum, the plan includes all portions of Site Remediation Program's (SRP) Site Safety and Health Standard Operating Procedures deemed appropriate for site, detailed site description, emergency phone numbers, a map and directions to nearest hospital identified on the map, and all PPE needed.

8.1.4 Proper bottle selection: Please refer to QA/QC section 10.1.

8.1.5 Equipment: Please refer to Equipment section 5.

8.1.6 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activities take place. The following is a list of information/data/steps required prior to the commencement of purge activities. Pertinent information is recorded in log books or on well sheets.

8.1.7 Date, time and weather conditions: Date and time are needed for holding time purposes and general record keeping. Weather conditions may affect ambient conditions at a particular site, therefore said information is recorded. Tidal influences may also be included here, if wells are in a tidal area.

8.1.8 Well number and permit number: These are prominently displayed on the outside of each well in accordance with NJDEP regulations for well construction.

8.1.9 Meter and instrument calibrations: Meters utilized in the course of site sampling activities are calibrated at this time, and the findings recorded in the appropriate logbook. Refer to section 7 for instrument/meter calibration directions.

8.1.10 PID or FID, HNU reading: This is taken from the well inner casing immediately after the cap is removed, findings are recorded.

8.1.11 Free product check: Using ORS meter for interfaces, the presence or absence of free product is determined. Thickness is measured and recorded.

8.1.11.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness for DNAPLs and LNAPLs are performed prior to well purging. An interface probe is used (ORS meter) for this task. If present, LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is conducted by using a bottom filling bailer which is lowered into the LNAPL layer. DNAPLs are sampled using a dual check valve bailer. If present, DNAPLs are also tested for chemical and physical properties.

8.1.12 Dissolved oxygen, pH, temperature, and specific conductivity: Readings are obtained and recorded on well sheets.

8.1.13 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyors mark. All data is recorded on well sheet.

8.1.14 Calculations: Calculations are made as stated in section 9.

8.2 Purging: When pre-purge activities are complete, the purging of a well can begin. This includes pre-entry to the well and pump setup.

8.2.1 Pre-entry to well: Before tubing (refer to materials section) is inserted into a well, it is wiped down and rinsed with DI water. The tubing is then inserted into the well to a maximum depth of six feet below the water table. During purge activities, the depth of the tubing may be adjusted to prevent the static water level from dropping below the end of the tubing.

8.2.2 Pump setup: Once the battery powered peristaltic pump is set up, purging can begin. Evacuation rates never exceed that of well development, and total volume purged never exceeds 5 times the amount of standing water. Purge water management practices are described in section 10.1.8.

8.3 After Purge: When purging is complete, the pump is removed and tubing is disposed of properly. Data referenced in section 8.3.2 is then taken and recorded.

8.3.1 Pump removal: Tubing is removed from the bottom end while the pump is still running. Tubing is then disposed of. The pump is shut down and decontaminated for its next application.

8.3.2 The following data is recorded on the well sheet: Start and end time of purge, purge method, purge rate, total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

8.4 Field Blank Sample: At this time the field blank sample is collected. A new bailer is opened from its sealed package and field blank water is run over the bailer or sample equipment and collected into the proper sample containers.

8.5 Ground water sampling: Following well evacuation procedures, ground water sampling can begin. In most cases, sampling takes place immediately following purge activities. However, due to certain field conditions, well sampling may be postponed for a period not to exceed 2 hours following completion of purge activities. When multiple wells are being sampled, the least contaminated well is sampled first. Subsequent wells are sampled in order of ascending contamination. Sampling is conducted by using a bottom filling teflon bailer, dedicated to each particular monitoring well. The bailer is lowered slowly into water column until submerged, and then slowly retrieved. The sample is then carefully transferred to the appropriate sample containers. Ground water collected in the first bailing sequence is always used for sampling purposes, it is never discarded.

8.6 Sample order: Samples are collected in the following order:

- 8.6.1 volatile organics (VOA)
- 8.6.2 purgeable organic carbons (POC)
- 8.6.3 purgeable organic halogens (POX)
- 8.6.4 total organic halogens (TOX)
- 8.6.5 total organic carbon (TOC)
- 8.6.6 base neutrals/acid extractables
- 8.6.7 TPHC/oil and grease
- 8.6.8 PCB's/pesticides
- 8.6.9 total metals
- 8.6.10 dissolved metals
- 8.6.11 phenols, cyanide
- 8.6.12 sulfate and chloride
- 8.6.13 turbidity
- 8.6.14 nitrate and ammonia,
- 8.6.15 preserved inorganics
- 8.6.16 radionuclides
- 8.6.17 non-preserved inorganics
- 8.6.18 bacteria

8.7 Dupes and matrix spikes/matrix spike duplicates: These samples are taken in same order at same time. Refer to section 10.2.1.2.

8.8 After sampling: The following data is recorded on well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

9 CALCULATIONS:

Four calculations are made while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

9.1 Linear feet of water: This is calculated by knowing the total depth of a well and subtracting the depth to water as measured by a depth meter. These two numbers are measured to within .01 feet. Through this calculation, the linear feet of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

9.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. Multiplying the amount of water within a casing by 3 equals the minimum volume to be purged. It should be noted that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:
linear feet of water x volume per ft for well diameter = amount of water in casing)
then,
(amount of water in casing x 3 = minimum volume to be purged)

Equation:
(amount of water in casing x 5 = total volume not to be exceeded)

Figure 1: Capacity of Common Casing Diameters
(Pp. 170 in NJDEP FSPM)

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

9.3 Purge rate: The purge rate is determined by calculating the length of time it takes for a pump to fill a 1 gallon bucket with water. The time is then multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:
(time x minimum volume to be purged = length of purge in minutes)
then,
(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

10 QUALITY CONTROL:

The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable from sample collection to complete analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 24-74. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

10.1 Sample Containers: Before sample collection can begin consideration must be given as to what type container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and the laboratory's internal QA/QC requirements. They are selected upon review of the following:

10.1.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

10.1.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the sample matrix. The laboratory supplies bottles that allow for sufficient volumes of sample matrix to be collected.

10.1.3 Color of container. Whenever possible, amber glass is used to prevent photodegradation. If not available, samples are protected from light. One exception is the use of 40 ml clear glass vials which are used for VOA/aqueous analysis.

10.1.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of inert material with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

10.1.5 Decontamination of containers and chain of custody. Sample containers are laboratory cleaned or purchased as lab cleaned. Bottles being shipped are accompanied by a chain of custody in a cooler with a custody seal. Custody always accompanies containers to the field, during collection, back to lab, and during analysis. This helps to assure no tampering or contamination from outside sources occurs.

10.1.6 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of contamination. Samples and chain of custody are secured in coolers or transport, with said chain of custody in with bottles or in the possession of authorized personnel. Also, a temperature blank is included in each cooler to measure temperature of samples on ice (ideally a constant 4 degrees Celsius).

10.1.7 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Care is taken to prevent the pump and tubing from coming into contact with the ground surface. Prior to well purging, all tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials which may be present.

10.1.8 Disposal of development, purge, pump test, and decon waters: To determine whether waste waters are contaminated, field instrument readings and previous analytical data is used to characterize it. Water not considered contaminated is re-applied directly to ground surface and permitted to percolate back to the water table. Care is taken to avoid nuisance situations where a discharge may cause undue concern. When water is considered contaminated, the water generated is reapplied only if the following conditions are met: ground water is not permitted to migrate offsite, no potential exists for contaminating a previously uncontaminated aquifer, discharge will not cause an increase to ground surface soil contamination. If these conditions are met, the water is re-applied to the ground surface. If these conditions aren't met, than water

is collected, containerized and secured in a single locale. Subsequently, the water is properly characterized and processed for offsite disposal.

10.2 QA/QC samples: These samples are intended to provide control over the collection of environmental measurements and subsequent validation, review, and interpretation of analytical data. Trip blanks are used exclusively for volatile organic analysis, (aqueous sampling only) and their purpose is to measure possible cross contamination of samples during shipment to and from a site. Trip blanks are never opened and travel to a site with the empty sample bottles and back from a site with the collected samples. Contaminated trip blanks may indicate bottle cleaning or blank water of questionable quality. Trip blanks are collected at the rate of one per day. Likewise, the purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. Field blanks travel and are stored with the sample bottles. Field blanks are collected in the following manner. Two identical sets of bottles are prepared. One set is filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles are shipped with the other empty sample containers. At the field location, in an area where contamination is suspected, the water is passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks are preserved identically to samples receiving the same analyses. Field blanks are collected and analyzed for all of the same parameters as the samples collected that day.

10.2.1 Additional QA/QC samples:

10.2.1.1 Duplicate samples: Collection of a dupe provides for evaluation of laboratory performance by comparing the analytical data of two samples from the same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by alternately filling sample bottles from the same source/device for each parameter. VOA samples are same bailer and first set filled.

10.2.1.2 Matrix spike/Matrix spike duplicate analyses or MS/MSDS sample: The laboratory is supplied with triple volume in order to perform matrix spike and matrix spike dupes. This does not include trips or field blanks. Additional sample volume for MS/MSDS is taken within every set of 20 field samples.

10.3 Sample preservation: Sample bottles are preserved by lab staff based upon analytical requirements. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 24-74.

Retrieve 10/29/04

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0205
Revision No.: 1
Date Revised: 01/17/03

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP sites at Fort Monmouth

1 PURPOSE:
1.1 To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:
2.1 Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 SAMPLE COLLECTION, PRESERVATION AND HANDLING:
3.1 For sample collection, preservation and handling, please refer to SOP No. SAM-200.

4 REFERENCES:
4.1 Field Sampling Procedures Manual, May 1992 (most current). New Jersey Department of Environmental Protection and Energy.
4.2 NJDEP Field Analysis Manual, July 1994.
4.3 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.
4.4 Lab SOP: SAM-0200, SAM-0202, OQC-0302.

5 SUMMARY:
5.1 The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual.

6 SAFETY:
6.1 For safety, please refer to CTSC Fort Monmouth, NJ Health and Safety Plan (HASP).

7 EQUIPMENT AND MATERIALS:
7.1 Equipment:
7.1.1 Dissolved oxygen meter

Prepared By:	Corey McConnach	Date:	1/30/03
Laboratory Director:	[illegible]	Date:	2-3-03
QA/QC Manager:	Arthur Hamer	Date	1/30/03

7.1.2 HNU photo ionizer
7.1.3 Conductivity/pH/temp meter
7.1.4 Peristaltic well pumps
7.1.5 Pump heads and power cables
7.1.6 Water level meter
7.1.7 Oil/water interface probe
7.1.8 Submersible well pumps
7.1.9 Various batteries
7.1.10Buckets
7.1.11Miscellaneous tools, i.e. screwdriver, well wrench, etc.

7.2 Materials:
7.2.1 Thick wall silicone tubing ¼ inch diameter,
7.2.2 Polyethylene (food grade) tubing ¼ inch diameter,
7.2.3 12 inch single sample 1 check stop Teflon disposable bailers,
7.2.4 Mason string.

8 STANDARDS/REAGENTS:

8.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.
8.1.1 Buffer solutions:
8.1.1.1 7.00 standard buffer solution.
8.1.1.2 10.00 standard buffer solution.
8.1.1.3 4.00 standard buffer solution.
8.1.2 Distilled and deionized water.
8.1.3 Alconox.
8.1.4 10 % nitric acid rinse (trace metal or higher grade HNO3 diluted with distilled/deionized (ATSM Type II) H2O).
8.1.5 Acetone (pesticide grade).
8.1.6 Pure nitrogen 100-ppm Isobutylene cal gas.
(Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field) for further information)

8.2 Acids/materials used in preserving samples:
8.2.1 Nitric acid 69.0-70.0%.
8.2.2 Sulfuric acid 50% (w/w) solution.
8.2.3 Hydrochloric acid (trace metal grade).

8.3 Ice for keeping samples at <4 degrees Celsius.

9 QUALITY CONTROL:

9.1 The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable form sample collection to complete analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 24-74. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

9.2 Sample Containers: Before sample collection can begin consideration must be given as to what type of container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and lab's internal QA/QC requirements. They should be selected upon review of the following:

9.2.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

9.2.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the matrix of the sample. The lab will supply bottles that allow for sufficient volumes of sample matrix to be collected.

9.2.3 Color of container. Whenever possible, amber glass is used to prevent photo degradation. If not available, samples should be kept protected from light. One exception is the 40 ml clear glass VOA vials used for VOA/aqueous analysis.

9.2.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of material inert with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

9.2.5 Decontamination of containers and chain of custody. Sample containers are laboratory cleaned or purchased as lab cleaned. Bottles being shipped are accompanied by a chain of custody in a cooler with a custody seal. Custody must accompany containers to field, during collection, back to lab, and during analysis. This helps to assure no tampering or contamination from outside sources occurs.

9.3 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of contamination. Samples and chain of custody are secured in coolers for transport, with said chain of custody in with bottles or in the hands of authorized personnel. Also, a temperature blank is included in each cooler to measure temperature of samples on ice in coolers (ideally a constant 4 degrees Celsius).

9.4 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Avoid pump and tubing contact with ground surface. All tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials on it before entering well.

9.5 QA/QC samples: These samples are intended to provide control over the collection of measurements, and subsequent validation, review, and interpretation of analytical data. A trip blank is used for volatile organics and its purpose is to measure possible cross contamination of samples in transit and at a site. It is **never** opened and travels to the site or sites **with** empty sample bottles and back **with** samples. They may also indicate poor cleaning. Like wise, a field blank is used to determine a control on the equipment handling, preparation, storage and shipment. It travels with the samples and is a representative of shipment effects on sample quality. By being opened in the field, transferred over a cleaned sampling device, the blank is indicative of ambient and equipment conditions that may affect quality of associated samples. It also serves as an additional check on possible sources of contamination. Blank water is demonstrated analyte free, and is from the same common source and physical locale in lab.

9.5.1 Aqueous matrix QA/QC blank requirements:

9.5.1.1 Field blanks: They are preserved/analyzed for all the same parameters as samples collected that day. They may be required in order to detect cross contamination from ambient air during a potable sampling if known sources are within proximity or monitoring equipment indicates their presence as background. Field blanks must also be taken once every day during sampling.

9.5.1.2 Trip blanks: Consists of a set of bottles each filled at the lab with analyte free water. They accompany the bottles both to and from each site. They are never opened in field. They are also returned in same bottles they were sent out in. At minimum, a trip blank must be analyzed for volatile organics. Inclusion of additional parameters is at the discretion of the NJDEP. Trip blanks and the samples they accompany are not held on site more than 2 calendar days. A trip blank is included in each sample shipment or trip to field, not to exceed 2 consecutive field days.

9.5.2 Additional QA/QC samples:

9.5.2.1 Duplicate samples: Collection of a dupe provides for evaluation of lab performance by comparing the analytical data of two samples from the same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by

alternately filling sample bottles from the same source/device for each parameter. VOA samples are same bailer and first set filled.

9.5.2.2 Matrix spike/Matrix spike duplicate analyses or MS/MSDS sample: The lab is supplied with triple volume in order to perform matrix spike and matrix spike dupes. This does not include trips or field blanks. They should occur every case of field samples, every 20-field samples or each 14-day calendar period in which a site is being worked at and samples collected.

9.6 Sample preservation: Sample bottles are preserved by lab staff based upon analytical requirements. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 24-74.

10 CALIBRATION:

10.1 All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a Winkler method test weekly. All calibrations for a given days use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Like wise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against a NIST traceable thermometer annually.

11 PROCEDURE:

11.1 The following articles document the procedures for sampling monitor wells. They are to be used as a guide by trained personnel in conjunction with the NJDEP Field Sampling Procedures Manual.

11.1.1 Proper bottle selection: Please refer to QA/QC section 10.1.

11.1.2 Equipment: Please refer to Equipment section 5.

11.1.3 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activity can occur. The following is a list of information/data/steps required before purging and pertinent information recorded in log books or on well sheets: Date, time and weather conditions: Date and time are needed for holding time, and general record keeping. Weather conditions may affect ambient conditions at a particular site, so are therefore recorded. Tidal influences may also be included here, if wells are in a tidal area.

11.1.4 Well number and permit number: These are to be prominently displayed on outside of well according to NJDEP regulations for well construction. They also help to identify a particular well more exactly at a site.

11.1.5 Meter and instrument calibrations: Any meter utilized in the course of site sampling activities should be calibrated at this time, and then findings recorded in log books. Refer to section 7 and appropriate instrument/meter calibration directions.

11.1.6 PID or FID, HNU reading. This is taken from well inner casing immediately after the cap is removed, and findings recorded.

11.1.7 Free product check: Using ORS meter for interfaces, the presence or absence of product is determined. Thickness is measured and recorded also.

11.1.7.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness of DNAPLs and LNAPLs must be performed prior to purging wells. An interface probe may be used (ORS meter). Each layer of LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is by using a bottom filling bailer, lowered through LNAPL layer but not significantly down into next phase. DNAPLs are sampled using a dual check valve bailer or bladder pump. Both then are tested for chemical and physical properties. If both are present, it may be necessary to purge well of one casing volume of water prior to sampling DNAPL provided layer is not disturbed. This is done by setting a submersible pump or suction lift pump several feet above DNAPL.

11.2 Dissolved oxygen, pH, temperature, and specific conductivity: Readings should be obtained and recorded on well sheets.

11.3 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyor's mark. All are recorded on well sheets.

11.4 Calculations: Calculations are then done as stated in section 12.

11.5 Purging: When pre-purge activities are complete, the purging of well can begin. This includes pre-entry to the well and pump setup.

11.6 Field Blank Sample: At this time the field blank is sampled. A new bailer is opened from its sealed package and then the field blank water is run over the bailer or sample equipment and collected into proper sample containers in correct order.

11.7 Pre-entry to well: Before tubing (refer to materials section) is inserted in well, it must be wiped down and rinsed with DI water. Then inserted into well leaving at maximum six feet of distance below water surface. Tubing is then lowered as depth drops, or as needed.

11.8 Pump setup: The peristaltic pump is then setup with its connection to battery and purging begun. Evacuation rate should not exceed that of well development, and total volume purged should not exceed 5 times the amount of standing water. Discharge water must be in compliance with those stated in section 13. Please refer to the NJDEP Field Sampling Procedures Manual as well.

11.9 After Purge: When purging is complete, pump is removed and tubing is disposed of properly. Data in section 11.2 is then taken and recorded.

11.10 Pump removal: Using peristaltic pumps, the tubing is removed from well at end of purge while pump still running. Tubing is then disposed of. Pump can than be shut down and decontaminated for next use as needed.

11.11 The following data must be recorded on well sheet: Start and end time of purge, purge method and purge rate. Total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

11.12 Ground water sampling: Following well evacuation procedures, groundwater sampling can begin. This is immediately after purge, not lapsing more than 2 hours afterwards. When multiple wells are being sampled, the least contaminated should be done first in order of ascending contamination. Sampling is done by using a bottom filling Teflon bailer, dedicated to that particular sampling event. Bailer is lowered slowly into water until submerged, and then slowly retrieved. Sample is then carefully transferred to sample containers. The first full bailer of water is used for sampling, it may not be discarded.

Sample order: Samples are collected in the following order:
volatile organics (VOA)
purgeable organic carbons (POC)
purgeable organic halogens (POX)
total organic halogens (TOX)
total organic carbon (TOC)
base neutrals/acid extractables
TPHC/oil and grease
PCB's/pesticides
total metals
dissolved metals
phenols, cyanide
sulfate and chloride
turbidity
nitrate and ammonia,
preserved inorganics
radionuclides

non-preserved inorganics
bacteria.

This order must be followed.

11.13 Dupes and matrix spikes/matrix spike duplicates: These samples are taken in the same order and at the same time as samples. Refer to sections 9.5.2 and 11.12.

11.14 After sampling: The following data is recorded on well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

12 CALCULATIONS:

12.1 Four calculations must be done while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

12.1.1 Linear feet of water: This is calculated by knowing the total depth of the well and subtracting the depth to water measured by a depth meter. These two numbers should be measured to within .01 feet. Through this calculation, the linear feet of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

12.1.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. By multiplying the amount of water within a casing by 3 equals the total minimum volume to be purged. It should be noted here that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:

linear ft of water x volume per ft well diameter = amount of water in casing)

then,

(amount of water in casing x 3 = minimum volume to be purged)

Equation:

(amount of water in casing x 5 = total volume **not** to be exceeded)

Figure 1: Capacity of Common Casing Diameters
(Pp. 170 in NJDEP FSPM)

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

12.1.3 Purge rate: The purge rate is determined by calculating the length of time it takes for pump to fill a 1-gallon bucket with water. The time is multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:

(time x minimum volume to be purged = length of purge in minutes)

then,

(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

13 POLLUTION PREVENTION:

13.1 For pollution prevention, please refer to SOP No. SAM-0222.

14 WASTE MANAGEMENT:

14.1 For sample disposal, please refer to SOP No. SAM-0220.

Retired
1/20/06

Attachment 1

FORT MONMOUTH ENVIRONMENTAL LABORATORY

STANDARD OPERATING PROCEDURE
REQUEST FOR REVISION FORM

SOP #: SAM - 0205

CATEGORY: Sample Handling

REVISION: No. 2

TITLE: Monitor Well Sampling for IRP Sites at Fort Monmouth

*REVISION (Section and Paragraph): 7 Equipment + Materials, 7.1 Equipment added 7.1.12

REASON FOR REVISION: added 7.1.12 to adjust for new tech in parameter measuring equipment.

OTHER DOCUMENTS AFFECTED:

*(Attach additional information)

AUTHOR: Corey McCook DATE: 9/30/04

APPROVAL: DATE: 10-14-04

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP sites at Fort Monmouth

1 PURPOSE:
1.1 To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:
2.1 Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 SAMPLE COLLECTION, PRESERVATION AND HANDLING:
3.1 For sample collection, preservation and handling, please refer to SOP No. SAM-200.

4 REFERENCES:
4.1 Field Sampling Procedures Manual, May 1992 (most current). New Jersey Department of Environmental Protection and Energy.
4.2 NJDEP Field Analysis Manual, July 1994.
4.3 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.
4.4 Lab SOP: SAM-0200, SAM-0202, OQC-0302.

5 SUMMARY:
5.1 The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual.

6 SAFETY:
6.1 For safety, please refer to CTSC Fort Monmouth, NJ Health and Safety Plan (HASP).

7 EQUIPMENT AND MATERIALS:
7.1 Equipment:
7.1.1 Dissolved oxygen meter

Prepared By:	Corey McCormack	Date:	9/30/04
Laboratory Director:		Date:	10-14-04
QA/QC Manager:	Jackie Hoemer	Date	10/14/04

7.1.2 HNU photo ionizer
7.1.3 Conductivity/pH/temp meter
7.1.4 Peristaltic well pumps
7.1.5 Pump heads and power cables
7.1.6 Water level meter
7.1.7 Oil/water interface probe
7.1.8 Submersible well pumps
7.1.9 Various batteries
7.1.10 Buckets
7.1.11 Miscellaneous tools, i.e. screwdriver, well wrench, etc.
7.1.12 A multi-parameter water quality meter may be used as long as it measures: Conductivity, pH, Temperature, and Dissolved Oxygen.

7.2 Materials:
7.2.1 Thick wall silicone tubing ¼ inch diameter,
7.2.2 Polyethylene (food grade) tubing ¼ inch diameter,
7.2.3 12 inch single sample 1 check stop Teflon disposable bailers,
7.2.4 Mason string.

8 STANDARDS/REAGENTS:

8.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.
8.1.1 Buffer solutions:
8.1.1.1 7.00 standard buffer solution.
8.1.1.2 10.00 standard buffer solution.
8.1.1.3 4.00 standard buffer solution.
8.1.2 Distilled and deionized water.
8.1.3 Alconox.
8.1.4 10 % nitric acid rinse (trace metal or higher grade HNO3 diluted with distilled/deionized (ATSM Type II) H2O).
8.1.5 Acetone (pesticide grade).
8.1.6 Pure nitrogen 100-ppm Isobutylene cal gas.
(Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field) for further information)

8.2 Acids/materials used in preserving samples:
8.2.1 Nitric acid 69.0-70.0%.
8.2.2 Sulfuric acid 50% (w/w) solution.
8.2.3 Hydrochloric acid (trace metal grade).

8.3 Ice for keeping samples at <4 degrees Celsius.

9 QUALITY CONTROL:

9.1 The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable form sample collection to complete analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 24-74. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

9.2 Sample Containers: Before sample collection can begin consideration must be given as to what type of container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and lab's internal QA/QC requirements. They should be selected upon review of the following:

9.2.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

9.2.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the matrix of the sample. The lab will supply bottles that allow for sufficient volumes of sample matrix to be collected.

9.2.3 Color of container. Whenever possible, amber glass is used to prevent photo degradation. If not available, samples should be kept protected from light. One exception is the 40 ml clear glass VOA vials used for VOA/aqueous analysis.

9.2.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of material inert with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

9.2.5 Decontamination of containers and chain of custody. Sample containers are laboratory cleaned or purchased as lab cleaned. Bottles being shipped are accompanied by a chain of custody in a cooler with a custody seal. Custody must accompany containers to field, during collection, back to lab, and during analysis. This helps to assure no tampering or contamination from outside sources occurs.

9.3 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of contamination. Samples and chain of custody are secured in coolers for transport, with said chain of custody in with bottles or in the hands of authorized personnel. Also, a temperature blank is included

in each cooler to measure temperature of samples on ice in coolers (ideally a constant 4 degrees Celsius).

9.4 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Avoid pump and tubing contact with ground surface. All tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials on it before entering well.

9.5 QA/QC samples: These samples are intended to provide control over the collection of measurements, and subsequent validation, review, and interpretation of analytical data. A trip blank is used for volatile organics and its purpose is to measure possible cross contamination of samples in transit and at a site. It is **never** opened and travels to the site or sites **with** empty sample bottles and back **with** samples. They may also indicate poor cleaning. Like wise, a field blank is used to determine a control on the equipment handling, preparation, storage and shipment. It travels with the samples and is a representative of shipment effects on sample quality. By being opened in the field, transferred over a cleaned sampling device, the blank is indicative of ambient and equipment conditions that may affect quality of associated samples. It also serves as an additional check on possible sources of contamination. Blank water is demonstrated analyte free, and is from the same common source and physical locale in lab.

9.5.1 Aqueous matrix QA/QC blank requirements:

9.5.1.1 Field blanks: They are preserved/analyzed for all the same parameters as samples collected that day. They may be required in order to detect cross contamination from ambient air during a potable sampling if known sources are within proximity or monitoring equipment indicates their presence as background. Field blanks must also be taken once every day during sampling.

9.5.1.2 Trip blanks: Consists of a set of bottles each filled at the lab with analyte free water. They accompany the bottles both to and from each site. They are never opened in field. They are also returned in same bottles they were sent out in. At minimum, a trip blank must be analyzed for volatile organics. Inclusion of additional parameters is at the discretion of the NJDEP. Trip blanks and the samples they accompany are not held on site more than 2 calendar days. A trip blank is included in each sample shipment or trip to field, not to exceed 2 consecutive field days.

9.5.2 Additional QA/QC samples:

9.5.2.1 Duplicate samples: Collection of a dupe provides for evaluation of lab performance by comparing the analytical data of two samples from the

same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by

alternately filling sample bottles from the same source/device for each parameter. VOA samples are same bailer and first set filled.

9.5.2.2 Matrix spike/Matrix spike duplicate analyses or MS/MSDS sample: The lab is supplied with triple volume in order to perform matrix spike and matrix spike dupes. This does not include trips or field blanks. They should occur every case of field samples, every 20-field samples or each 14-day calendar period in which a site is being worked at and samples collected.

9.6 Sample preservation: Sample bottles are preserved by lab staff based upon analytical requirements. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 24-74.

10 CALIBRATION:

10.1 All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a Winkler method test weekly. All calibrations for a given days use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Like wise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against a NIST traceable thermometer annually.

11 PROCEDURE:

11.1 The following articles document the procedures for sampling monitor wells. They are to be used as a guide by trained personnel in conjunction with the NJDEP Field Sampling Procedures Manual.

11.1.1 Proper bottle selection: Please refer to QA/QC section 10.1.

11.1.2 Equipment: Please refer to Equipment section 5.

11.1.3 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activity can occur. The following is a list of information/data/steps required before purging and pertinent information recorded in log books or on well sheets: Date, time and weather conditions: Date and time are needed for holding time, and general record keeping. Weather conditions may affect ambient

conditions at a particular site, so are therefore recorded. Tidal influences may also be included here, if wells are in a tidal area.

11.1.4 Well number and permit number: These are to be prominently displayed on outside of well according to NJDEP regulations for well construction. They also help to identify a particular well more exactly at a site.

11.1.5 Meter and instrument calibrations: Any meter utilized in the course of site sampling activities should be calibrated at this time, and then findings recorded in log books. Refer to section 7 and appropriate instrument/meter calibration directions.

11.1.6 PID or FID, HNU reading. This is taken from well inner casing immediately after the cap is removed, and findings recorded.

11.1.7 Free product check: Using ORS meter for interfaces, the presence or absence of product is determined. Thickness is measured and recorded also.

11.1.7.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness of DNAPLs and LNAPLs must be performed prior to purging wells. An interface probe may be used (ORS meter). Each layer of LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is by using a bottom filling bailer, lowered through LNAPL layer but not significantly down into next phase. DNAPLs are sampled using a dual check valve bailer or bladder pump. Both then are tested for chemical and physical properties. If both are present, it may be necessary to purge well of one casing volume of water prior to sampling DNAPL provided layer is not disturbed. This is done by setting a submersible pump or suction lift pump several feet above the DNAPL.

11.2 Dissolved oxygen, pH, temperature, and specific conductivity: Readings should be obtained and recorded on well sheets.

11.3 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyor's mark. All are recorded on well sheets.

11.4 Calculations: Calculations are then done as stated in section 12.

11.5 Purging: When pre-purge activities are complete, the purging of well can begin. This includes pre-entry to the well and pump setup.

11.6 Field Blank Sample: At this time the field blank is sampled. A new bailer is opened from its sealed package and then the field blank water is run over the bailer or sample equipment and collected into proper sample containers in correct order.

11.7 Pre-entry to well: Before tubing (refer to materials section) is inserted in well, it must be wiped down and rinsed with DI water. Then inserted into well leaving at maximum six feet of distance below water surface. Tubing is then lowered as depth drops, or as needed.

11.8 Pump setup: The peristaltic pump is then setup with its connection to battery and purging begun. Evacuation rate should not exceed that of well development, and total volume purged should not exceed 5 times the amount of standing water. Discharge water must be in compliance with those stated in section 13. Please refer to the NJDEP Field Sampling Procedures Manual as well.

11.9 After Purge: When purging is complete, pump is removed and tubing is disposed of properly. Data in section 11.2 is then taken and recorded.

11.10 Pump removal: Using peristaltic pumps, the tubing is removed from well at end of purge while pump still running. Tubing is then disposed of. Pump can than be shut down and decontaminated for next use as needed.

11.11 The following data must be recorded on well sheet: Start and end time of purge, purge method and purge rate. Total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

11.12 Ground water sampling: Following well evacuation procedures, groundwater sampling can begin. This is immediately after purge, not lapsing more than 2 hours afterwards. When multiple wells are being sampled, the least contaminated should be done first in order of ascending contamination. Sampling is done by using a bottom filling Teflon bailer, dedicated to that particular sampling event. Bailer is lowered slowly into water until submerged, and then slowly retrieved. Sample is then carefully transferred to sample containers. The first full bailer of water is used for sampling, it may not be discarded.

Sample order: Samples are collected in the following order:
volatile organics (VOA)
purgeable organic carbons (POC)
purgeable organic halogens (POX)
total organic halogens (TOX)
total organic carbon (TOC)
base neutrals/acid extractables
TPHC/oil and grease
PCB's/pesticides
total metals
dissolved metals

phenols, cyanide
sulfate and chloride
turbidity
nitrate and ammonia,
preserved inorganics
radionuclides
non-preserved inorganics
bacteria.

This order must be followed.

11.13 Dupes and matrix spikes/matrix spike duplicates: These samples are taken in the same order and at the same time as samples. Refer to sections 9.5.2 and 11.12.

11.14 After sampling: The following data is recorded on well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

12 CALCULATIONS:

12.1 Four calculations must be done while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

12.1.1 Linear feet of water: This is calculated by knowing the total depth of the well and subtracting the depth to water measured by a depth meter. These two numbers should be measured to within .01 feet. Through this calculation, the linear feet of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

12.1.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. By multiplying the amount of water within a casing by 3 equals the total minimum volume to be purged. It should be noted here that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:

linear ft of water x volume per ft well diameter = amount of water in casing)

then,

(amount of water in casing x 3 = minimum volume to be purged)

Equation:

(amount of water in casing x 5 = total volume **not** to be exceeded)

Figure 1: Capacity of Common Casing Diameters
(Pp. 170 in NJDEP FSPM)

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

12.1.3 Purge rate: The purge rate is determined by calculating the length of time it takes for pump to fill a 1-gallon bucket with water. The time is multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:

(time x minimum volume to be purged = length of purge in minutes)

then,

(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

13 POLLUTION PREVENTION:

13.1 For pollution prevention, please refer to SOP No. SAM-0222.

14 WASTE MANAGEMENT:

14.1 For sample disposal, please refer to SOP No. SAM-0220.

Retired 4/22/08

Attachment 1

FORT MONMOUTH ENVIRONMENTAL LABORATORY

STANDARD OPERATING PROCEDURE REQUEST FOR REVISION FORM

SOP #: SAM-205

CATEGORY: Sample Handling

REVISION: 3

TITLE: Monitor Well Sampling for IRP Sites

*REVISION (Section and Paragraph):

REASON FOR REVISION: Reference new Field Sampling Procedures Manual

OTHER DOCUMENTS AFFECTED:

*(Attach additional information)

AUTHOR: Walter Funk DATE: 1/23/06

APPROVAL: Jackie Hermon DATE: 1/23/06

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP sites at Fort Monmouth

1 PURPOSE:
1.1 To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:
2.1 Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 SAMPLE COLLECTION, PRESERVATION AND HANDLING:
3.1 For sample collection, preservation and handling, please refer to SOP No. SAM-200.

4 REFERENCES:
4.1 Field Sampling Procedures Manual, August 2005. New Jersey Department of Environmental Protection.
4.2 NJDEP Field Analysis Manual, July 1994.
4.3 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.
4.4 Lab SOP: SAM-0200, SAM-0202, OQC-0302.

5 SUMMARY:
5.1 The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual, August 2005.

6 SAFETY:
6.1 For safety, please refer to CTSC Fort Monmouth, NJ Health and Safety Plan (HASP).

7 EQUIPMENT AND MATERIALS:
7.1 Equipment:
7.1.1 Dissolved oxygen meter

Prepared By: Walter Funk	Date: 1/23/06
Laboratory Director:	Date: 1-24-06
QA/QC Manager: Jackie Holzman	Date: 1/23/06

7.1.2 HNU photo ionizer
7.1.3 Conductivity/pH/temperature meter
7.1.4 Peristaltic well pumps
7.1.5 Pump heads and power cables
7.1.6 Water level meter
7.1.7 Oil/water interface probe
7.1.8 Submersible well pumps
7.1.9 Various batteries
7.1.10 Buckets
7.1.11 Miscellaneous tools, i.e. screwdriver, well wrench, etc.
7.1.12 A multi-parameter water quality meter may be used as long as it measures: Conductivity, pH, Temperature, and Dissolved Oxygen.

7.2 Materials:
7.2.1 Thick wall silicone tubing ¼ inch diameter
7.2.2 Polyethylene (food grade) tubing ¼ inch diameter
7.2.3 12 inch single sample 1 check stop Teflon disposable bailers
7.2.4 Mason string

8 STANDARDS/REAGENTS:

8.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.
8.1.1 Buffer solutions:
8.1.1.1 7.00 standard buffer solution
8.1.1.2 10.00 standard buffer solution
8.1.1.3 4.00 standard buffer solution
8.1.2 Distilled and deionized water
8.1.3 Alconox
8.1.4 10 % nitric acid rinse (trace metal or higher grade HNO_3 diluted with distilled/deionized (ATSM Type II) H_2O).
8.1.5 Acetone (pesticide grade).
8.1.6 Pure nitrogen 100-ppm Isobutylene cal gas.
(Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field) for further information).

8.2 Acids/materials used in preserving samples:
8.2.1 Nitric acid 69.0-70.0%
8.2.2 Sulfuric acid 50% (w/w) solution
8.2.3 Hydrochloric acid (trace metal grade)

8.3 Ice for keeping samples at <4 degrees Celsius

9 QUALITY CONTROL:

9.1 The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable form sample collection to complete analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 35-61. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

9.2 Sample Containers: Before sample collection can begin consideration must be given as to what type of container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and lab's internal QA/QC requirements. They should be selected upon review of the following:

9.2.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

9.2.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the matrix of the sample. The lab will supply bottles that allow for sufficient volumes of sample matrix to be collected.

9.2.3 Color of container. Whenever possible, amber glass is used to prevent photo degradation. If not available, samples should be kept protected from light. One exception is the 40 ml clear glass VOA vials used for VOA aqueous analysis.

9.2.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of material inert with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

9.2.5 Decontamination of containers and chain of custody. Sample containers are laboratory cleaned or purchased as lab cleaned. Bottles being shipped are accompanied by a chain of custody in a cooler with a custody seal. Custody must accompany containers to field, during collection, back to lab, and during analysis. This helps to assure no tampering or contamination from outside sources occurs.

9.3 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of contamination. Samples and chain of custody are secured in coolers for transport, with said chain of custody in with bottles or in the hands of authorized personnel. Also, a temperature blank is included in each cooler to measure the temperature of samples on ice in coolers (ideally a constant 4 degrees Celsius).

9.4 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Avoid pump and tubing contact with ground surface. All tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials on it before entering well.

9.5 QA/QC samples: These samples are intended to provide control over the collection of measurements, and subsequent validation, review, and interpretation of analytical data. A trip blank is used for volatile organics and its purpose is to measure possible cross contamination of samples in transit and at a site. It is **never** opened and travels to the site or sites **with** empty sample bottles and back **with** samples. They may also indicate poor cleaning. Like wise, a field blank is used to determine a control on the equipment handling, preparation, storage and shipment. It travels with the samples and is representative of shipment effects on sample quality. By being opened in the field, transferred over a cleaned sampling device, the blank is indicative of ambient and equipment conditions that may affect quality of associated samples. It also serves as an additional check on possible sources of contamination. Blank water is demonstrated analyte free, and is from the same common source and physical locale in lab.

9.5.1 Aqueous matrix QA/QC blank requirements:

9.5.1.1 Field blanks: They are preserved/analyzed for all the same parameters as samples collected that day. They may be required in order to detect cross contamination from ambient air during a potable sampling if known sources are within proximity or monitoring equipment indicates their presence as background. Field blanks must also be taken once every day during sampling.

9.5.1.2 Trip blanks: Consists of a set of bottles each filled at the lab with analyte free water. They accompany the bottles both to and from each site. They are never opened in field. They are also returned in the same bottles they were sent out in. At minimum, a trip blank must be analyzed for volatile organics. Inclusion of additional parameters is at the discretion of the NJDEP. Trip blanks and the samples they accompany are not held on site more than 2 calendar days. A trip blank is included in each sample shipment or trip to field, not to exceed 2 consecutive field days.

9.5.2 Additional QA/QC samples:

9.5.2.1 Duplicate samples: Collection of a duplicate provides for evaluation of lab performance by comparing the analytical data of two samples from the same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by alternately filling sample bottles from the same source/device for each

parameter. VOA samples are from the same bailer and are the first set of bottles filled.

9.5.2.2 Matrix spike/Matrix spike duplicate analyses or MS/MSD sample: The lab is supplied with triple volume in order to perform matrix spike and matrix spike duplicates. This does not include trip or field blanks. They should occur every case of field samples, every 20-field samples or each 14-day calendar period in which a site is being worked at and samples collected.

9.6 Sample preservation: The laboratory staff based upon analytical requirements preserves the sample bottles. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 35-61.

10 CALIBRATION:

10.1 All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a Winkler method test weekly. All calibrations for a given days use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Like wise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against a NIST traceable thermometer annually.

11 PROCEDURE:

11.1 The following articles document the procedures for sampling monitor wells. They are to be used as a guide by trained personnel in conjunction with the NJDEP Field Sampling Procedures Manual.

11.1.1 Proper bottle selection: Please refer to QA/QC section 9.

11.1.2 Equipment: Please refer to Equipment section 7.

11.1.3 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activity can occur. The following is a list of information/data/steps required before purging and pertinent information recorded in logbooks or on well sheets: Date, time and weather conditions: Date and time are needed for holding time, and general record keeping. Weather conditions may affect ambient conditions at a particular site, so are therefore recorded. Tidal influences may also be included here, if wells are in a tidal area.

11.1.4 Well number and permit number: These are to be prominently displayed on the outside of the well according to NJDEP regulations for well construction. They also help to identify a particular well more exactly at a site.

11.1.5 Meter and instrument calibrations: Any meter utilized in the course of site sampling activities should be calibrated at this time, and then findings recorded in logbooks. Refer to section 10 and appropriate instrument/meter calibration directions.

11.1.6 PID or FID, HNU reading. This is taken from the wells inner casing immediately after the cap is removed, and the findings are recorded.

11.1.7 Free product check: Using ORS meter for interfaces, the presence or absence of product is determined. Thickness is measured and also recorded.

11.1.7.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness of DNAPLs and LNAPLs must be performed prior to purging wells. An interface probe may be used (ORS meter). Each layer of LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is by using a bottom filling bailer, lowered through LNAPL layer but not significantly down into next phase. DNAPLs are sampled using a dual check valve bailer or bladder pump. Both are then tested for chemical and physical properties. If both are present, it may be necessary to purge well of one casing volume of water prior to sampling DNAPL provided layer is not disturbed. This is done by setting a submersible pump or suction lift pump several feet above the DNAPL.

11.2 Dissolved oxygen, pH, temperature, and specific conductivity: Readings should be obtained and recorded on well sheets.

11.3 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyor's mark. All are recorded on well sheets.

11.4 Calculations: Calculations are then done as stated in section 12.

11.5 Purging: When pre-purge activities are complete, the purging of the well can begin. This includes pre-entry to the well and pump setup.

11.6 Field Blank Sample: At this time the field blank is sampled. A new bailer is opened from its sealed package and then the field blank water is run over the bailer or sample equipment and collected into proper sample containers in the correct order.

11.7 Pre-entry to well: Before the tubing (refer to materials section) is inserted into the well, it must be wiped down and rinsed with DI water. Then inserted into the well leaving at maximum six feet of distance below water surface. Tubing is then lowered as depth drops, or as needed.

11.8 Pump setup: The peristaltic pump is then setup with its connection to battery and purging begun. Evacuation rate should not exceed that of well development, and total volume purged should not exceed 5 times the amount of standing water. Discharge water must be in compliance with those stated in section 13. Please refer to the NJDEP Field Sampling Procedures Manual as well.

11.9 After Purge: When purging is complete, the pump is removed and tubing is disposed of properly. Data in section 11.1 is then taken and recorded.

11.10 Pump removal: Using peristaltic pumps, the tubing is removed from the well at end of purge while pump still running. Tubing is then disposed of. The pump can then be shut down and decontaminated for next use as needed.

11.11 The following data must be recorded on well sheet: Start and end time of purge, purge method and purge rate. Total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

11.12 Ground water sampling: Following well evacuation procedures, groundwater sampling can begin. This is immediately after purge, not lapsing more than 2 hours afterwards. When multiple wells are being sampled, the least contaminated should be done first in order of ascending contamination. Sampling is done by using a bottom filling Teflon bailer, dedicated to that particular sampling event. The bailer is lowered slowly into the water until its submerged, and then slowly retrieved. Sample is then carefully transferred to sample containers. The first full bailer of water is used for sampling, it may not be discarded.

Sample order: Samples are collected in the following order:
volatile organics (VOA)
purgeable organic carbons (POC)
purgeable organic halogens (POX)
total organic halogens (TOX)
total organic carbon (TOC)
base neutrals/acid extractables
TPHC/oil and grease
PCB's/pesticides
total metals
dissolved metals
phenols, cyanide
sulfate and chloride
turbidity
nitrate and ammonia,
preserved inorganics
radionuclides
non-preserved inorganics
bacteria.

This order must be followed

11.13 Duplicates and matrix spikes/matrix spike duplicates: These samples are taken in the same order and at the same time as samples. Refer to sections 9.5.2 and 11.12.

11.14 After sampling: The following data is recorded on the well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

12 CALCULATIONS:

12.1 Four calculations must be done while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

12.1.1 Linear feet of water: This is calculated by knowing the total depth of the well and subtracting the depth to water measured by a depth meter. These two numbers should be measured to within .01 feet. Through this calculation, the linear feet of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

12.1.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. By multiplying the amount of water within a casing by 3 equals the total minimum volume to be purged. It should be noted here that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:

linear ft of water x volume per ft well diameter = amount of water in casing)

then,

(amount of water in casing x 3 = minimum volume to be purged)

Equation:

(amount of water in casing x 5 = total volume **not** to be exceeded)

Figure 1: Capacity of Common Casing Diameters

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

12.1.3 Purge rate: The purge rate is determined by calculating the length of time it takes for the pump to fill a 1-gallon bucket with water. The time is multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:

(time x minimum volume to be purged = length of purge in minutes)

then,

(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

13 POLLUTION PREVENTION:

13.1 For pollution prevention, please refer to SOP No. SAM-0222.

14 WASTE MANAGEMENT:

14.1 For sample disposal, please refer to SOP No. SAM-0220.

Attachment 1

FORT MONMOUTH ENVIRONMENTAL LABORATORY

STANDARD OPERATING PROCEDURE
REQUEST FOR REVISION FORM

SOP #: Sam-0205

CATEGORY: Sample Handling

REVISION: 4

TITLE: MW Sampling for IRP sites at Ft. Monmouth

*REVISION (Section and Paragraph):

REASON FOR REVISION: Annual review Changed personnel titles

OTHER DOCUMENTS AFFECTED:

*(Attach additional information)

AUTHOR: Jackie Heiner DATE: 4/17/08

APPROVAL: Akan Sandhu DATE: 4/22/08

CATEGORY: Sample Handling
TITLE: Monitor Well Sampling for IRP sites at Fort Monmouth

1 PURPOSE:
1.1 To document current procedures for monitoring well sampling.

2 RESPONSIBILITY:
2.1 Designated field samplers who have been properly trained and instructed in NJDEP field sampling procedures and protocol.

3 SAMPLE COLLECTION, PRESERVATION AND HANDLING:
3.1 For sample collection, preservation and handling, please refer to SOP No. SAM-200.

4 REFERENCES:
4.1 Field Sampling Procedures Manual, August 2005. New Jersey Department of Environmental Protection.
4.2 NJDEP Field Analysis Manual, July 1994.
4.3 On the World Wide Web: www.state.nj.us/dep or www.state.nj.us/dep/srp.
4.4 Lab SOP: SAM-0200, SAM-0202, OQC-0302.

5 SUMMARY:
5.1 The procedures, materials, and equipment describe the recommended methods for sampling monitoring wells. Necessary equipment, calibrations, calculations and appropriate QA/QC procedures are also included. These procedures are to be followed by all personnel involved with the sampling and purging of wells at Fort Monmouth. Persons following this SOP are recommended to also refer to the NJDEP Field Sampling Procedures Manual, August 2005.

6 SAFETY:
6.1 For safety, please refer to CTSC Fort Monmouth, NJ Health and Safety Plan (HASP).

7 EQUIPMENT AND MATERIALS:
7.1 Equipment:
7.1.1 Dissolved oxygen meter

Prepared By:	Jackie Hamer	Date:	4/17/08
Technical Supervisor:	Alexander Sandhu	Date:	4/22/08
QA/QC Supervisor:	Jackie Hamer	Date:	4/17/08

7.1.2 HNU photo ionizer
7.1.3 Conductivity/pH/temperature meter
7.1.4 Peristaltic well pumps
7.1.5 Pump heads and power cables
7.1.6 Water level meter
7.1.7 Oil/water interface probe
7.1.8 Submersible well pumps
7.1.9 Various batteries
7.1.10 Buckets
7.1.11 Miscellaneous tools, i.e. screwdriver, well wrench, etc.
7.1.12 A multi-parameter water quality meter may be used as long as it measures: Conductivity, pH, Temperature, and Dissolved Oxygen.

7.2 Materials:
7.2.1 Thick wall silicone tubing ¼ inch diameter
7.2.2 Polyethylene (food grade) tubing ¼ inch diameter
7.2.3 12 inch single sample 1 check stop Teflon disposable bailers
7.2.4 Mason string

8 STANDARDS/REAGENTS:

8.1 Buffer solutions, calibration gases, decontamination materials, and acids for preservation.
8.1.1 Buffer solutions:
8.1.1.1 7.00 standard buffer solution
8.1.1.2 10.00 standard buffer solution
8.1.1.3 4.00 standard buffer solution
8.1.2 Distilled and deionized water
8.1.3 Alconox
8.1.4 10 % nitric acid rinse (trace metal or higher grade HNO_3 diluted with distilled/deionized (ATSM Type II) H_2O).
8.1.5 Acetone (pesticide grade).
8.1.6 Pure nitrogen 100-ppm Isobutylene cal gas.
(Refer to NJDEP Field Sampling Procedure Manual Table 2-1 Aqueous Sampling Equipment Decontamination (Lab and Field) for further information).

8.2 Acids/materials used in preserving samples:
8.2.1 Nitric acid 69.0-70.0%
8.2.2 Sulfuric acid 50% (w/w) solution
8.2.3 Hydrochloric acid (trace metal grade)

8.3 Ice for keeping samples at <4 degrees Celsius

9 QUALITY CONTROL:

9.1 The following QA/QC requirements are established in order to maintain sample integrity. The prime objective is to prevent sample contamination from other sources and ensure potential contaminant concentrations remain stable form sample collection to complete analysis. Refer to the NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology Reference Charts, Pp. 35-61. Also refer to SAM-0200 Sample Containers, Preservation and Holding Times.

9.2 Sample Containers: Before sample collection can begin consideration must be given as to what type of container will be used to transport and store samples. The lab provides containers based upon requested methodologies. Selection is based on the matrix, potential contaminants, analytical methods, and lab's internal QA/QC requirements. They should be selected upon review of the following:

9.2.1 Reactivity of container material with sample. Glass is recommended for hazardous material samples since it is chemically inert to most substances. Plastics may be used when analytes of interest or sample characteristics dictate use instead of glass.

9.2.2 Volume of the container. The volume of sample needed is dictated by the analytical method and the matrix of the sample. The lab will supply bottles that allow for sufficient volumes of sample matrix to be collected.

9.2.3 Color of container. Whenever possible, amber glass is used to prevent photo degradation. If not available, samples should be kept protected from light. One exception is the 40 ml clear glass VOA vials used for VOA aqueous analysis.

9.2.4 Container closures. All containers utilized have a leak-proof seal and are constructed out of material inert with respect to sampled materials. The closure may also be separated by a closure liner that is inert to sample material.

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9.3 Storage and transport. Care is taken to avoid contamination. Clean transport and storage environments are observed. Sample or bottle storage is never near solvents, gasoline, or other equipment that is a potential source of contamination. Samples and chain of custody are secured in coolers for transport, with said chain of custody in with bottles or in the hands of authorized personnel. Also, a temperature blank is included in each cooler to measure the temperature of samples on ice in coolers (ideally a constant 4 degrees Celsius).

9.4 Tubing decontamination: ASTM drinking water grade polyethylene tubing is used and discarded after each use. Avoid pump and tubing contact with ground surface. All tubing is rinsed/wiped with distilled and deionized water to remove any possible residual materials on it before entering well.

9.5 QA/QC samples: These samples are intended to provide control over the collection of measurements, and subsequent validation, review, and interpretation of analytical data. A trip blank is used for volatile organics and its purpose is to measure possible cross contamination of samples in transit and at a site. It is **never** opened and travels to the site or sites **with** empty sample bottles and back **with** samples. They may also indicate poor cleaning. Like wise, a field blank is used to determine a control on the equipment handling, preparation, storage and shipment. It travels with the samples and is representative of shipment effects on sample quality. By being opened in the field, transferred over a cleaned sampling device, the blank is indicative of ambient and equipment conditions that may affect quality of associated samples. It also serves as an additional check on possible sources of contamination. Blank water is demonstrated analyte free, and is from the same common source and physical locale in lab.

9.5.1 Aqueous matrix QA/QC blank requirements:

9.5.1.1 Field blanks: They are preserved/analyzed for all the same parameters as samples collected that day. They may be required in order to detect cross contamination from ambient air during a potable sampling if known sources are within proximity or monitoring equipment indicates their presence as background. Field blanks must also be taken once every day during sampling.

9.5.1.2 Trip blanks: Consists of a set of bottles each filled at the lab with analyte free water. They accompany the bottles both to and from each site. They are never opened in field. They are also returned in the same bottles they were sent out in. At minimum, a trip blank must be analyzed for volatile organics. Inclusion of additional parameters is at the discretion of the NJDEP. Trip blanks and the samples they accompany are not held on site more than 2 calendar days. A trip blank is included in each sample shipment or trip to field, not to exceed 2 consecutive field days.

9.5.2 Additional QA/QC samples:

9.5.2.1 Duplicate samples: Collection of a duplicate provides for evaluation of lab performance by comparing the analytical data of two samples from the same location. They are included 1 for every 20 samples (5% or 1 a day/site) and submitted as blind samples. They are obtained by alternately filling sample bottles from the same source/device for each

parameter. VOA samples are from the same bailer and are the first set of bottles filled.

9.5.2.2 Matrix spike/Matrix spike duplicate analyses or MS/MSD sample: The lab is supplied with triple volume in order to perform matrix spike and matrix spike duplicates. This does not include trip or field blanks. They should occur every case of field samples, every 20-field samples or each 14-day calendar period in which a site is being worked at and samples collected.

9.6 Sample preservation: The laboratory staff based upon analytical requirements preserves the sample bottles. Please refer to SAM-0200 Sample Containers, Preservation, and Holding Times SOP and also NJDEP Field Sampling Procedures Manual Appendix 2-1 Analytical Methodology reference Charts, Pp. 35-61.

10 CALIBRATION:

10.1 All instruments used for field readings are calibrated before each day of use. The use of pH meters must start out with a calibration using buffer solution standards to check or calibrate accuracy. HNU's are calibrated with a known calibration gas. Dissolved oxygen meters are checked against a Winkler method test weekly. All calibrations for a given days use are recorded in the log provided for each instrument. Refer to equipment directions for calibration instruction. Like wise, specific conductivity meters are checked against standards regularly. Cooler thermometers are calibrated against a NIST traceable thermometer annually.

11 PROCEDURE:

11.1 The following articles document the procedures for sampling monitor wells. They are to be used as a guide by trained personnel in conjunction with the NJDEP Field Sampling Procedures Manual.

11.1.1 Proper bottle selection: Please refer to QA/QC section 9.

11.1.2 Equipment: Please refer to Equipment section 7.

11.1.3 Before purge activities: Certain instruments and meters are calibrated before use. Also, certain measurements and calculations are obtained before any purge activity can occur. The following is a list of information/data/steps required before purging and pertinent information recorded in logbooks or on well sheets: Date, time and weather conditions: Date and time are needed for holding time, and general record keeping. Weather conditions may affect ambient conditions at a particular site, so are therefore recorded. Tidal influences may also be included here, if wells are in a tidal area.

11.1.4 Well number and permit number: These are to be prominently displayed on the outside of the well according to NJDEP regulations for well construction. They also help to identify a particular well more exactly at a site.

11.1.5 Meter and instrument calibrations: Any meter utilized in the course of site sampling activities should be calibrated at this time, and then findings recorded in logbooks. Refer to section 10 and appropriate instrument/meter calibration directions.

11.1.6 PID or FID, HNU reading. This is taken from the wells inner casing immediately after the cap is removed, and the findings are recorded.

11.1.7 Free product check: Using ORS meter for interfaces, the presence or absence of product is determined. Thickness is measured and also recorded.

11.1.7.1 Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs): Measurement of thickness of DNAPLs and LNAPLs must be performed prior to purging wells. An interface probe may be used (ORS meter). Each layer of LNAPLs are sampled and analyzed for chemical and physical parameters. Sampling is by using a bottom filling bailer, lowered through LNAPL layer but not significantly down into next phase. DNAPLs are sampled using a dual check valve bailer or bladder pump. Both are then tested for chemical and physical properties. If both are present, it may be necessary to purge well of one casing volume of water prior to sampling DNAPL provided layer is not disturbed. This is done by setting a submersible pump or suction lift pump several feet above the DNAPL.

11.2 Dissolved oxygen, pH, temperature, and specific conductivity: Readings should be obtained and recorded on well sheets.

11.3 Total depth of well and depth to water: These readings are taken using a depth meter. Total depth of well, depth to water, and depth to screen are measured from the top of the inner casing or surveyor's mark. All are recorded on well sheets.

11.4 Calculations: Calculations are then done as stated in section 12.

11.5 Purging: When pre-purge activities are complete, the purging of the well can begin. This includes pre-entry to the well and pump setup.

11.6 Field Blank Sample: At this time the field blank is sampled. A new bailer is opened from its sealed package and then the field blank water is run over the bailer or sample equipment and collected into proper sample containers in the correct order.

11.7 Pre-entry to well: Before the tubing (refer to materials section) is inserted into the well, it must be wiped down and rinsed with DI water. Then inserted into the well leaving at maximum six feet of distance below water surface. Tubing is then lowered as depth drops, or as needed.

11.8 Pump setup: The peristaltic pump is then setup with its connection to battery and purging begun. Evacuation rate should not exceed that of well development, and total volume purged should not exceed 5 times the amount of standing water. Discharge

water must be in compliance with those stated in section 13. Please refer to the NJDEP Field Sampling Procedures Manual as well.

11.9 After Purge: When purging is complete, the pump is removed and tubing is disposed of properly. Data in section 11.1 is then taken and recorded.

11.10 Pump removal: Using peristaltic pumps, the tubing is removed from the well at end of purge while pump still running. Tubing is then disposed of. The pump can then be shut down and decontaminated for next use as needed.

11.11 The following data must be recorded on well sheet: Start and end time of purge, purge method and purge rate. Total volume purged, dissolved oxygen, pH, temperature, and specific conductivity readings.

11.12 Ground water sampling: Following well evacuation procedures, groundwater sampling can begin. This is immediately after purge, not lapsing more than 2 hours afterwards. When multiple wells are being sampled, the least contaminated should be done first in order of ascending contamination. Sampling is done by using a bottom filling Teflon bailer, dedicated to that particular sampling event. The bailer is lowered slowly into the water until its submerged, and then slowly retrieved. Sample is then carefully transferred to sample containers. The first full bailer of water is used for sampling, it may not be discarded.

Sample order: Samples are collected in the following order:
volatile organics (VOA)
purgeable organic carbons (POC)
purgeable organic halogens (POX)
total organic halogens (TOX)
total organic carbon (TOC)
base neutrals/acid extractables
TPHC/oil and grease
PCB's/pesticides
total metals
dissolved metals
phenols, cyanide
sulfate and chloride
turbidity
nitrate and ammonia,
preserved inorganics
radionuclides
non-preserved inorganics
bacteria.

This order must be followed

11.13 Duplicates and matrix spikes/matrix spike duplicates: These samples are taken in the same order and at the same time as samples. Refer to sections 9.5.2 and 11.12.

11.14 After sampling: The following data is recorded on the well sheets: Start and end time of sampling, dissolved oxygen, pH, temperature, specific conductivity, and sampling method.

12 CALCULATIONS:

12.1 Four calculations must be done while in the field. The calculations are as follows: linear feet of water (height of water), the volume to be purged, the volume purged not to be exceeded, and purge rate.

12.1.1 Linear feet of water: This is calculated by knowing the total depth of the well and subtracting the depth to water measured by a depth meter. These two numbers should be measured to within .01 feet. Through this calculation, the linear foot of water is determined.

Equation: (Total well depth – Depth to water = linear feet of water)

12.1.2 Volume to be purged and volume not to be exceeded: The second calculation is to determine the minimum volume to be purged from a well before sampling. Utilizing the linear feet of water and then multiplying it by the volume per foot for the proper diameter casing (see Figure 1 below) equals the amount of water in casing. By multiplying the amount of water within a casing by 3 equals the total minimum volume to be purged. It should be noted here that the amount purged should not exceed 5x the amount of standing water in a well.

Equation:

linear ft of water x volume per ft well diameter = amount of water in casing)

then,

(amount of water in casing x 3 = minimum volume to be purged)

Equation:

(amount of water in casing x 5 = total volume **not** to be exceeded)

Figure 1: Capacity of Common Casing Diameters

Casing Diameter (ft.)	Gallons/linear foot
2 inch (0.1667)	0.1632
4 inch (0.3333)	0.6528
6 inch (0.5000)	1.4688
8 inch (0.6667)	2.6112
10 inch (0.8333)	4.0800
12 inch (1.0000)	5.8752

12.1.3 Purge rate: The purge rate is determined by calculating the length of time it takes for the pump to fill a 1-gallon bucket with water. The time is multiplied by the minimum volume to be purged. The gallons being purged is then divided by this number (which also happens to be the length of time the purge will take in minutes) which equals the gallons per minute or purge rate.

Equation:

(time x minimum volume to be purged = length of purge in minutes)

then,

(minimum volume to be purged / length of purge in minutes = gallons per minute or the purge rate)

13 POLLUTION PREVENTION:

13.1 For pollution prevention, please refer to SOP No. SAM-0222.

14 WASTE MANAGEMENT:

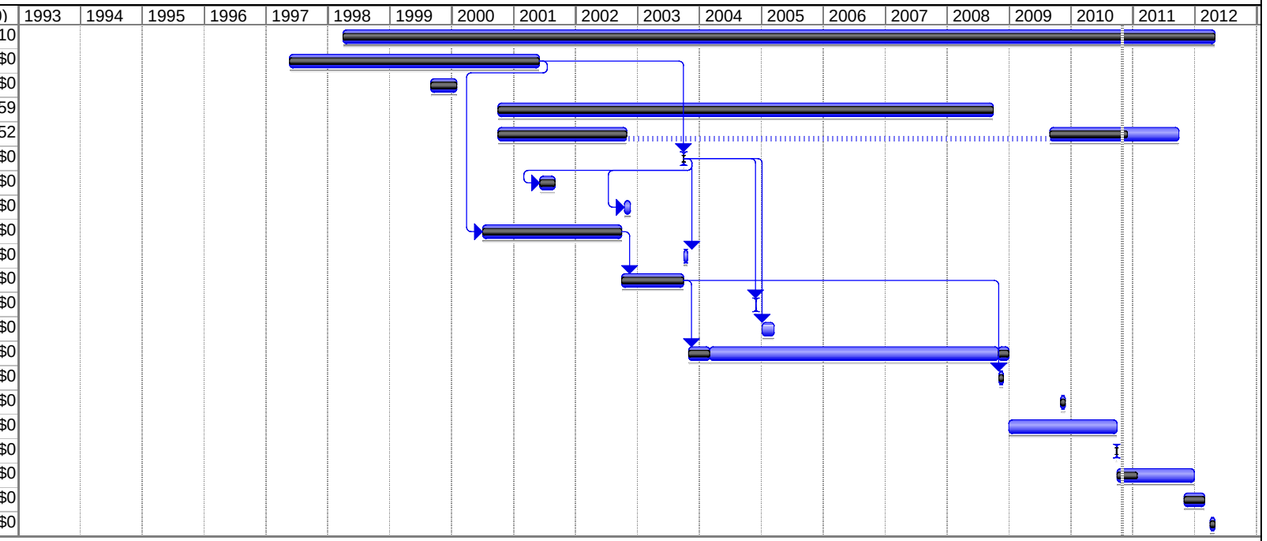
14.1 For sample disposal, please refer to SOP No. SAM-0220.

Appendix F

Costs and Schedule for Site 812

Fort Monmouth Installation Restoration Program, FTMM 64, Site 812, Schedule and Cost Summary

ID	Task Name	Start	Finish	Notes	COST ($000)
1	Bldg. 812, UST Gasoline FTMM-64 Total Cost	Wed 4/1/98	Mon 4/30/12		$410
2	Remedial Investigation / Remedial Action Workplan June 2001	Wed 5/21/97	Fri 6/1/01	Versar Inc.	$0
3	Site Investigation	Wed 9/1/99	Mon 1/31/00		$0
4	Remedial Action - Operation	Mon 10/2/00	Tue 9/30/08		$259
5	LTM (Qtrly Monitoring Mar, May Aug & Dec)	Mon 10/2/00	Fri 9/30/11		$152
6	NJDEP approved RIR/RAWP	Wed 10/1/03	Thu 10/2/03		$0
7	HRC Injection, Groundwater Treatment #1	Tue 6/5/01	Sun 9/2/01		$0
8	HRC Injection, Groundwater Treatment #2	Thu 10/17/02	Wed 11/20/02		$0
9	RAPR 2000-2002 (3rd qtr '00 to 3rd qtr '02) December July 2003	Mon 7/3/00	Mon 9/30/02	Versar Inc.	$0
10	HRC Injection, Groundwater Treatment #3	Fri 10/3/03	Fri 10/24/03		$0
11	RAPR 2002-2003 (4th qtr '02 to 3rd qtr '03) September 2005	Tue 10/1/02	Tue 9/30/03	Versar Inc.	$0
12	HRC Injection, Groundwater Treatment #4	Mon 11/29/04	Thu 12/2/04		$0
13	HRC Injection, Groundwater Treatment #5	Fri 1/7/05	Thu 3/17/05		$0
14	RAPR 2003-2008 (4th qtr '03 to 4th qtr '08) July 2010	Fri 10/31/03	Wed 12/31/08	VEETech Inc.	$0
15	Annual MW Inspections 2008	Mon 11/3/08	Sun 11/30/08		$0
16	Annual MW Inspections 2009	Mon 11/2/09	Mon 11/30/09		$0
17	Annual RAPR 2009-2010 (1st qtr '09 to 3rd qtr '10)	Thu 1/1/09	Thu 9/30/10		$0
18	Annual MW Inspections 2010	Mon 9/27/10	Thu 9/30/10		$0
19	RAPR 2010-2011 (4th Qtr '10 to 4th Qtr '11)	Fri 10/1/10	Fri 12/30/11		$0
20	Final RA Report and CEA	Tue 11/1/11	Wed 2/29/12		$0
21	MW Abandonment / Site Restoration	Mon 4/2/12	Mon 4/30/12		$0



Costs are primarily based on the DPW Obligation List.
Dated 10-29-08

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline