DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT MONMOUTH
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Directorate of Public Works June 16, 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 2567 (FTMM-58) Remedial Action Progress Report:
April 2004 through December 2008 (2nd Qtr. 2004 – 4th Qtr. 2008)
Dated: June 2010
Fort Monmouth, New Jersey

Dear Mr. Quinn:

The U.S. Army Fort Monmouth, New Jersey is pleased to submit the Remedial Action Progress Report (RAPR) for the 2567 Site (FTMM-58), Fort Monmouth, New Jersey. This RAPR was prepared in accordance with the voluntary cleanup agreement (VCA) between U.S. Department of the Army and the New Jersey Department of Environmental Protection (NJDEP) dated August 2000, and the NJDEP's *Technical Requirements for Site Remediation* (*TRSR*), New Jersey Administrative Code (N.J.A.C.) 7:26E-6.6 (February 2003). Enclosed please find the Electronic Delivery Documents (EDDs) as well as a 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 Fallon

Joseph Fallon, CHMM
Chief, Environmental Division

Attached: Completed Remedial Progress Report Checklist
Encl. 1: Remedial Action Progress Report, (2nd Quarter 2004 through 4th Quarter 2008)
Electronic Data Deliverable (EDDs), one CD in back of the report

Encl. 2, Completed Remedial Progress Report Checklist

SRP CHECKLIST:		REMEDIAL ACTION PROGRESS REPORT 2nd Quarter 2004 through 4th Quarter 2008 2567 Site (FTMM-58)		
	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? This submittal is the first RAPR.	Yes	Enclosed RAPR
	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	6-1 to 6-2 & App.F
	6.6(b)5	Is the status of permit applications included and adequate?	NA	
	6.6(b)6	Is a list of upcoming remedial actions included and adequate?	Yes	6-1 to 6-2 & 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	Sections 5 and 6 and the Tables Section
	6.6(b)9	Is information for active GW remediation included and adequate?	Yes	3-1
		6.6(b)9i Has a ground water Contour Map Reporting Form (Appendix G) been completed and included?	Yes	Figures Section, Before each Contour Map
	6.6(b)10	Is information for natural GW remediation included and adequate?	Yes	Sections 4 and 5
	6.6(b)11	Is a description of wastes generated included and adequate?	Yes	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 2567 (FTMM-58)
Remedial Action Progress Report
(2nd Quarter 2004 through 4th Quarter 2008)

U.S. Army Garrison Fort Monmouth, Charles Wood Area
Fort Monmouth, New Jersey

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Work Order No. 1042-06-017

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Appendix B	Tecom-Vinnell Services, Inc., May 2009. *Underground Storage Tank Closure and Remedial Investigation Report, Charles Wood Section – Bldg. 2567, Fort Monmouth, New Jersey.*
Appendix C	UST Report Certification Form
Appendix D	Groundwater Monitoring Well Laboratory Analytical Data, 2nd Quarter 2004 through 4th Quarter 2008
Appendix E	Fort Monmouth Directorate of Public Works Analytical Standard Operating Procedures
Appendix F	Costs and Schedule for Site 2567

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EXECUTIVE SUMMARY

This *Remedial Action Progress Report* (RAPR) documents the quarterly sampling of seven monitoring wells at Site 2567 (FTMM-58) from the 2nd Quarter 2004 through the 4th Quarter 2008 (Rounds 29 through 47) to monitor the progress of the natural attenuation program in reducing contaminant levels in groundwater.

U.S. Army Garrison Fort Monmouth incorporates the Main Post and the Charles Wood Area subpost. Site 2567 is located in the Charles Wood Area of Fort Monmouth at the northwest corner of the intersection between Laboratory Road and Hope Road (Figure 2-1). It is bordered by Hope Road to the east and by Laboratory Road to the South (Figure 2-2). The site includes Building 2567, two gasoline dispenser islands located within the paved area south of the building, and dense wooded areas located to the south and low wet areas located to the north and east.

On August 27, 1991 a discharge was reported to the New Jersey Department of Environmental Protection (NJDEP) as a result of a failed Underground Storage Tank (UST) tightness test. The NJDEP assigned Case Number 91-08-27-1414 to the site. One #2 fuel oil UST was installed in 1969 and removed on October 31, 1991. One waste oil UST was installed in 1972 and removed December 31, 1991. Four gasoline USTs were installed in 1972 and removed on February 24, 1993. Three gasoline USTs (double–walled, fiberglass reinforced plastic) were installed in 1993 and removed on October 16, 2008.

Currently, all UST areas have been assessed in accordance with the applicable NJDEP Technical Requirements. The remaining original UST dispenser island areas have not been assessed and an environmental assessment in accordance with the most current NJDEP regulation will be performed after the facility is closed. The Facility is tentatively scheduled to be closed in the summer of 2011 as required under the Base Realignment and Closure Law.

Groundwater monitoring of the site identified one Contaminant of Concern (COC). The Remedial Investigation Report/Remedial Action Work Plan (RIR/RAWP) was submitted by Versar, Inc. in October 2005. The RIR/RAWP identified *tert*-butyl alcohol (TBA) as the only COC at Site 2567. The RIR/RAWP proposed natural attenuation with groundwater monitoring as the site remedy for the COC.

Analytical results for seven monitoring wells during the current reporting period only exceeded the NJDEP Groundwater Quality Criteria (GWQC) for TBA, methyl *tert*-butyl alcohol (MTBE) and lead. TBA was detected above the GWQC in more than one sample, while MTBE was detected above the GWQC in only one groundwater sample. Seven Volatile Organic Compounds (VOCs) (acetone, benzene, chloroform, 2-butanone, methylene chloride, toluene, and xylenes) were detected below their respective GWQC.

TBA levels have decreased substantially since monitoring began in 1997. However, monitoring results continue to detect concentrations of TBA above their respective GWQC in 2567MW01. VEETech recommends that the Directorate of Public Works (DPW) continue quarterly groundwater sampling and monitoring activities.

Given the proximity of the site to a wetland area which is an ecological receptor, Fort Monmouth will conduct a post-wide Baseline Ecological Evaluation (BEE) in the future to evaluate potential impacts to the wetland. Results will be discussed in subsequent RAPRs.

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1.0 INTRODUCTION

A natural attenuation program to remediate the one COC, TBA at Site 2567 (FTMM-58), located at Fort Monmouth, New Jersey, is being conducted in accordance with the RIR/RAWP prepared by Versar, Inc. in October 2005.

The U.S. Army Garrison Fort Monmouth, 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 groundwater monitoring (Rounds 29 through 47) during the current reporting period of the 2nd Quarter 2004 through the 4th Quarter 2008.

1.1 Objectives

The objective of this RAPR is to document the implementation of the remedial action program performed at Site 2567 during the current reporting period of the 2nd Quarter 2004 through the 4th Quarter 2008. Monitored natural attenuation was implemented by the DPW as a Remedial Action (RA) based on the recommendations found in the RIR/RAWP, prepared by Versar, dated October 2005. The purpose of the RA was to monitor the contaminant-affected areas at the site to evaluate the effectiveness of natural attenuation to reduce the contaminant concentrations to comply with the NJDEP Class II-A aquifer GWQC. The remedial activities were conducted in accordance with the NJDEP *Technical Requirements for Site Remediation* (September 2, 2008), NJAC 7:26E *et seq*. and the Site 2567 RIR/RAWP (Appendix A).

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

- Conducting quarterly rounds of groundwater sampling and documenting the results to evaluate the effectiveness of the RA,
- Comparing the results of the groundwater sampling with the NJDEP GWQC,
- 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 2567. Section 3.0 discusses the remedial activities (natural attenuation) conducted at Site 2567. Section 4.0 discusses groundwater monitoring and sampling activities at the site. Section 5.0 presents the analytical results of the groundwater sampling. Section 6.0 discusses the effectiveness of the RA and provides recommendations to the DPW for Site 2567. Section 7.0 is the reference section.

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2.0 SITE BACKGROUND

The following sections describe the site background of Site 2567. 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). The U.S. Army Garrison Fort Monmouth incorporates the Main Post and the Charles Wood Area subpost, Site 2567 is located in the Charles Wood Area of Fort Monmouth at the northwest corner of the intersection between Laboratory Road and Hope Road. The site includes Building 2567, two gasoline dispenser islands located within the paved area south of the building, dense wooded areas located to the south and low wet areas located to the north and east (Figure 2-2 and Figure 2-3). The environmental setting (regional/local geology and hydrogeology) of Site 2567 is described in the Versar RIR/RAWP, dated October 2005 (Appendix A).

2.2 Site History and Background Investigations

In early 1990s, the DPW developed an underground storage tank (UST) program for managing approximately 506 USTs located throughout the Fort Monmouth installation (Main Post and Charles Wood Area). This program was created to work toward replacing the use of heating oil as a major energy source with natural gas. The program also included the closure of regulated waste oil and gasoline USTs.

On August 27, 1991 a discharge was reported to the NJDEP as a result of a failed UST tightness test. The NJDEP assigned Case Number 91-08-27-1414 to the site. One #2 fuel oil UST was installed in 1969 and removed on October 31, 1991. One waste oil UST was installed in 1972 and removed December 31, 1991. Four gasoline USTs were installed in 1972 and removed on February 24, 1993. Three gasoline USTs (double–walled, fiberglass reinforced plastic) were installed in 1993 and removed on October 16, 2008.

As part of the DPW's UST management program, two gasoline tank closure reports (October 1993 and January 1995) have been submitted to the NJDEP for USTs in the immediate vicinity of Site 2567. In 1995, the DPW submitted a Site Investigation (SI) report to the NJDEP (Weston, 1995) for the Main Post and Charles Wood areas. These historical reports and investigation have been summarized in the following subsections.

In addition to these two closure reports, the DPW submitted one letter report (May 2000) detailing the results of a long term monitoring (LTM) program for Site 2567. The LTM covered sampling activities carried out at five monitoring wells between 1995 and 1997. Four of the five monitoring wells (2567MW01, 2567MW02, 2567MW03, and 2567MW04) were installed in 1991 during the Weston UST closure and site investigation. One monitoring well (2567MW05) was installed in 1994 during another UST closure.

The remaining two monitoring wells (2567MW06 and 2567MW07) were installed by the DPW in 2000 as part of further investigation at the site. The wells are identified on the Site Layout Map (Figure 2-2).

2.2.1 UST Closure and Site Assessment Report for Two USTs, 1993 – Weston

According to the *UST Closure and Site Assessment Report for Building 2567, Tanks 33 and 46*, prepared by Roy F. Weston, Inc. (Weston) for the DPW, October 1, 1993, there were two single-wall steel USTs (USTs 33 and 46) located adjacent to Building 2567. UST No. 33 was a 1,000-gallon No. 2 fuel oil tank installed in 1969 and removed on October 31, 1991. UST No. 46 was a 550-gallon waste oil tank installed in 1972 and removed on December 31, 1991. Both USTs were cleaned, excavated and disposed in accordance with the NJDEP requirements. No holes were noted in the USTs, and no potentially contaminated soils were observed surrounding the USTs. Following the removal of these two tanks, eight post-excavation samples were collected and analyzed for Total Petroleum Hydrocarbon (TPHC). The eight soil samples contained either non-detectable concentrations of contaminants or concentrations below the NJDEP subsurface cleanup criteria.

2.2.2 UST Closure and Site Assessment Report for Four USTs, 1995 – Weston

The *UST Closure and Site Assessment Report, Building 2567, UST Nos. 42, 43, 44, and 45*, was prepared by Weston for the DPW in January 1995. There were four gasoline USTs (Nos. 42 through 45) located under the pavement approximately 30 feet southeast of Building 2567. UST Nos. 42, 43, and 44 were single-walled steel 10,000-gallon unleaded gasoline tanks installed in 1972. UST No. 45 was a single-walled steel 6,000-gallon leaded gasoline tank installed in 1972. In February 1993, USTs Nos. 42 through 45 were closed at Site 2567. During the closure, UST Nos. 42 through 45 were drained and removed along with associated piping. The subsurface evaluator did not observe holes in these four USTs after they were removed from the ground. Sheen was not observed on groundwater during the UST removals. Based on visual observations of stained soils and screening with a photoionization detector (PID), approximately 936 cubic yards of soil were excavated from the area surrounding the USTs and the dispenser island. Post-excavation soil samples were collected from the sidewalls of the excavation area and analyzed for TPHC, VOCs, and lead.

Four groundwater monitoring wells (2567MW01, 2567MW02, 2567MW03 and 2567MW04) were installed near Building 2567 in October 1991 and another (2567MW05) in 1994. The results for groundwater samples collected at well 2567MW05 were presented by ATC Associates (ATC) in the letter report discussed below.

2.2.3 SI Report for Main Post and Charles Wood Areas, 1995 – Weston

As part of the Site Investigation (SI) for Fort Monmouth military installation, Weston conducted soil sampling, monitoring well installation and sampling, and geophysical surveying. In addition to sampling soil and groundwater at sites throughout the Main Post and Charles Wood areas of Fort Monmouth, Weston established background concentrations for soil and groundwater for Fort Monmouth installation, as reported in the Weston SI Report (1995). These background concentrations have been used by the DPW for comparing sample results for native constituents of soil and groundwater. In the groundwater results tables included in the 1995 Weston SI report, Weston identified MTBE and TBA as groundwater contaminants, which exceeded their NJDEP interim GWQC of 70 µg/L and 100 µg/L for MTBE and TBA respectively.

2.2.4 Groundwater Monitoring Letter Report, 2000 – ATC

In a letter report submitted to the NJDEP in May 2000, ATC reported sampling results collected from five monitoring wells at Site 2567 (2567MW01 through 2567MW05). The groundwater

samples were collected by the DPW during six quarterly sampling rounds between May 1995 and April 1997. In the groundwater results tables included in the letter report, ATC identified TBA as a groundwater contaminant. In four sampling rounds (May 1995, August 1995, November 1995, and February 1996), TBA was detected above the interim groundwater quality criteria (GWQC) of 100 µg/L in samples collected at well 2567MW01, at concentrations ranging from 780 to 930 µg/L.

2.2.5 *Remedial Investigation Report/Remedial Action Work Plan* (RIR/RAWP, 2005 – Versar

Versar submitted a RIR/RAWP to Fort Monmouth in October 2005 (Appendix A). Fort Monmouth DPW conducted a RI, including a groundwater sampling program, to define the aerial extent of potential contaminants and evaluate impacts to groundwater in the vicinity of Site 2567 and the former UST locations. As part of the RI, a quarterly groundwater sampling program was conducted from April 1997 through January 2004 at Site 2567. Two additional monitoring wells, 2567MW06 and 2567MW07, were installed in 2000.

During the 30 quarterly sampling events, four VOCs and five Target Analyte List (TAL) metals were detected in groundwater samples at concentrations above their respective NJDEP GWQC. Additional Geoprobe® groundwater samples were also collected from seven points in February and April 2004. Based on frequency of detection and concentration levels, TBA was identified as the only COC at Site 2567. The RI also included collection of groundwater depth measurements, the performance of slug tests, evaluation of aquifer classification, and the completion of a sensitive receptor survey.

The results of the field and laboratory investigations were used to develop a conceptual site model to provide a basis for the development of a three-dimensional computer model. The conceptual site model considers site-specific topography, groundwater recharge, groundwater flow conditions and the geologic formations present at the site. A MODFLOW computer model was used to simulate groundwater flow and contaminant transport beneath the site. The purpose of the groundwater model was to predict the migration of TBA in groundwater.

The October 2005 report by Versar recommended continued groundwater monitoring and sampling to be included in future RAPRs. These samples were to be analyzed for VOCs. Continued groundwater monitoring of TBA degradation through natural attenuation at Site 2567 was recommended.

2.2.6 UST Closure and Remedial Investigation Report for Three USTs, 2009 – TVS

The *UST Closure and Remedial Investigation Report, Charles Wood Section, Building 2567,* was prepared by Tecom-Vinnell Services, Inc. (TVS) for the DPW in May 2009 (Appendix B). There were three fiberglass gasoline USTs (Nos. 0081515-66, 0081515-67, and 0081515-68) located near Building 2567. All three USTs were double-walled fiberglass 10,000-gallon unleaded gasoline tanks installed in 1993. On October 16, 2008, all three USTs were cleaned, excavated and disposed in accordance with the NJDEP requirements. During the closure, all three USTs were drained of liquids and then removed from ground along with associated piping. The removed tanks were staged on polyethylene sheeting. Soil staining and a fuel odor were not observed during the UST removals.

All three USTs were purged with air to remove vapors prior to cutting and were cleaned with rubber squeegees and absorbent material broomed on the sidewalls and bottom. All three USTs and related pipings were disposed of in accordance with NJDEP requirements.

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. Soils surrounding the tanks were screened visually and with air monitoring instruments for evidence of contamination. Following removal, the USTs were inspected for holes. No holes or impacted soils were observed after the removal of the tanks from the ground. Groundwater was encountered at approximately five (5) feet below ground surface.

All sampling was performed by a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP Field Sampling Procedures Manual (August 2005, updated 15 February 2008). Sampling frequency and parameters analyzed complied with the NJDEP document Technical Requirements for Site Remediation, 7:26E-3.9 (December 17, 2007 and revisions dated June 2, 2008) which was the applicable regulation at the date of the closure.

The post-excavation soil samples collected from the UST excavation associated with the former UST Nos. 00815151-66, 67 and 68 contained VOC concentrations below the NJDEP soil clean up criteria for the regulated compounds associated with gasoline. The analytical data confirmed that no release had occurred from any of the three excavated USTs. Based on the post-excavation soil sampling results, there are no compounds that exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria. No further action is proposed in regard to the closure and site assessment of UST Nos. 0081515-66, 67, and 68 at Building 2567.

Currently, all UST areas have been assessed in accordance with the applicable NJDEP Technical Requirements. The remaining original UST dispenser island areas have not been assessed and an environmental assessment in accordance with the most current NJDEP regulation will be performed after the facility is closed. The Facility is tentatively scheduled to be closed in the summer of 2011 as required under the Base Realignment and Closure Law.

3.0 REMEDIAL ACTIVITIES

No remedial actions were completed during this reporting period. Sampling results documented in Versar's RIR/RAWP (October 2005) for Site 2567 indicated that the shallow groundwater contained one VOC COC (TBA) at concentrations that exceeded the NJDEP GWQC. The COC concentrations in groundwater were expected to gradually decrease through natural attenuation. The existing monitoring wells (2567MW01 through 2567MW07) were adequately placed to monitor down gradient groundwater; therefore, the DPW proposed monitored natural attenuation with LTM as the remediation remedy for Site 2567. Groundwater samples are collected on a quarterly basis.

While TBA concentrations have shown a general decreasing trend since monitoring began, statistical analysis of the source well (2567MW01) TBA concentrations for the current reporting period does not support the trend. The Mann-Whitney U-test was performed for TBA concentrations from the 1st Quarter 2007 through the 4th Quarter 2008 (Table 3-1). A U-value of 15 was calculated which favored the null hypothesis, and the inability to conclude that TBA concentrations had decreased during the reporting period.

On October 16, 2008, three gasoline USTs (Nos. 0081515-66, 0081515-67, and 0081515-68) located near Building 2567, were cleaned, excavated and disposed in accordance with the NJDEP requirements. All three USTs were double-walled fiberglass 10,000-gallon unleaded gasoline tanks installed in 1993. During the closure, all three USTs were drained of liquids and then removed from ground along with associated piping. The removed tanks were staged on polyethylene sheeting. Soil staining and fuel odor were not observed during the UST removals. The site assessment activities associated with the removal of these USTs are described in Section 2.2.6 and the UST Report Certification Form is located in Appendix C.

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4.0 MONITORING AND SAMPLING ACTIVITIES

As part of the LTM program at Site 2567, quarterly groundwater monitoring (Rounds 29 through 47) continued from the 2nd Quarter 2004 through the 4th Quarter 2008. Groundwater samples were collected from seven monitoring wells (2567MW01, 2567MW02, 2567MW03, 2567MW04, 2567MW05, 2567MW06, and 2567MW07) during nineteen quarterly sampling events. Laboratory analytical reports for the Site 2567 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 5-8 of this RAPR. Static depth to water was measured to determine groundwater elevations for all seven monitoring wells at Site 2567 during each groundwater monitoring event.

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. Groundwater samples were analyzed for volatile organic compounds and lead. 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 Groundwater Monitoring

During this reporting period at Site 2567 (2nd Quarter 2004 through the 4th Quarter 2008), groundwater was encountered at elevations ranging from 25.97 to 32.56 feet above mean sea level (msl). Static depth-to-water from the top of the well casings were measured at each monitoring well on June 22, 2004; August 12, 2004; November 24, 2004; February 11, 2005; May 6, 2005; August 16, 2005; November 17, 2005; January 30, 2006; April 26, 2006; July 26, 2006; October 31, 2006; January 18, 2007; May 08, 2007; July 30, 2007; December 4, 2007; February 29, 2008; April 23, 2008; August 8, 2008; and November 4, 2008. Separate-Phase Hydrocarbon (SPH) product was not observed in any of the seven monitoring wells during the reporting period. Figure 2-2 illustrates the locations of the monitoring wells. Depth to water measurement results are summarized in Table 4-1. Groundwater elevation contour maps were generated for each round based on groundwater elevations calculated for the seven monitoring wells in Rounds 29 through 47. These contour maps are presented in Figures 4-1 through Figure 4-19 along with the required NJDEP contour map reporting forms.

The contour maps indicate that shallow groundwater underlying Site 2567 consistently flows to the south-southeast. Significant variations in groundwater flow conditions were not observed through the current monitoring period.

4.2 Groundwater Sampling

Quarterly groundwater sampling of the seven monitoring wells was conducted by the DPW. Quality control samples for the monitoring period included 22 method blanks, 23 trip blanks, 21 field blanks, and 21 field duplicate samples.

Sampling equipment was thoroughly decontaminated before and after each use. Following collection, the groundwater 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 groundwater sampling activities for the remediation monitoring (Rounds 19 through 47) 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 sampling activities included polyethylene tubing, Teflon® bailers, mason string, and personal protective equipment (PPE). The tubing, bailers, string, and PPE were disposed of as non-hazardous waste.

5.0 SITE ANALYTICAL RESULTS

This section includes a summary discussion of the chemical characterization of Site 2567 based on the samples collected and analyzed for the current reporting period, including nineteen quarterly rounds of groundwater monitoring well samples.

5.1 Groundwater Sampling Results

Summaries of the analytical results from each of the seven monitoring wells on Site 2567 for Rounds 1 through 47 are summarized in Tables 5-1 through Table 5-7. Groundwater summary tables include detected analytical results for Site 2567 and are divided by monitoring well number and sampling date. The characterization of groundwater quality at Site 2567 (2567MW01 – 2567MW07) contains 47 quarterly groundwater sampling events conducted from April 1997 through November 2008. The groundwater results are compared to the NJDEP GWQC and are presented in three different tabs reflecting changes to the NJDEP criteria. The first set of data is compared against the January 7, 1993 criteria; the next is when a criteria change occurred on November 7, 2005; followed by another criteria change on July 27, 2007.

The results in the groundwater summary tables include analyte detections as well as exceedances of the NJDEP GWQC, which are bolded and shaded. VOCs, Semi-Volatile Organic Compounds (SVOCs), pesticides/PCBs, and metals are presented as required to summarize results for detected compounds. Detections are presented in the groundwater 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.

Seven monitoring wells (2567MW01, 2567MW02, 2567MW03, 2567MW04, 2567MW05, 2567MW06, and 2567MW07) were sampled during the current reporting period (2nd Quarter 2004 through the 4th Quarter 2008). Groundwater samples were analyzed for VOCs and lead.

During nineteen quarterly sampling events for the current reporting period, nine VOCs were detected in Site 2567 groundwater samples. Two VOCs (TBA and MTBE) were detected at concentrations that exceeded their respective GWQC. TBA was detected above GWQC in more than one sample, while MTBE was detected above the GWQC in only one groundwater sample.

Analytical results for two monitoring wells sampled during the current reporting period exceeded the NJDEP GWQC for TBA in monitoring well 2567MW01 and 2567MW03. TBA has been identified as the COC. The concentration of MTBE exceeded the NJDEP GWQC in monitoring well 2567MW03 for only one quarterly groundwater monitoring event (Round 38) and is not considered a COC. The remaining VOCs were detected below their respective GWQC.

Lead was also detected above the GWQC in three monitoring wells during this reporting period. Lead was detected consistently above the GWQC in monitoring well 2567MW05 for 15 rounds of sampling out of 19 quarterly sampling events.

Table 5-8 summarizes the analytical results which exceeded the GWQC during the current reporting period. Figure 5-1 illustrates the analytical results for TBA on the site layout map.

5.1.1 Contaminants of Concern

The TBA concentration exceeded the newly established NJDEP GWQC in November 2005 (100 µg/L) for two groundwater monitoring wells (2567MW01 and 2567MW03). There was no NJDEP GWQC established for TBA before November 2005. TBA was detected in 2567MW01 at concentrations ranging from 50.57 µg/L (Round 45 duplicate) to 732.1 µg/L (Round 38) during the current reporting period.

TBA was detected consistently above the GWQC in monitoring well 2567MW01 for 15 rounds of sampling out of 19 quarterly sampling events. Figure 5-2 illustrates the TBA concentration trend over time in monitoring well 2567MW01, including all quarters of the LTM program since April 1997. Statistical analysis via the Mann-Whitney U-test does not confirm that concentrations have decreased for the period from the 1st Quarter 2007 through the 4th Quarter 2008.

TBA was detected above NJDEP GWQC in 2567MW03 at concentrations ranging from 107.3 µg/L (Round 41) to 421.11 µg/L (Round 38). TBA concentrations exceeded the GWQC of 100 µg/L in 3 of the 19 sampling rounds. TBA concentrations in 2567MW03 have been below the NJDEP GWQC since May 2007.

Lead was detected at concentrations exceeding the NJDEP GWQC in 2567MW04, 2567MW05, and 2567MW06. Lead was detected in 2567MW04 at a concentration of 8.84 µg/L (Round 35) and in 2567MW06 at a concentration of 22.4 µg/L (Round 33) during the current reporting period. Lead was detected in 2567MW05 at concentrations ranging from 5.32 µg/L (Round 43) to 27.9 µg/L (Round 33) during the current reporting period. Lead was detected consistently above the GWQC in monitoring well 2567MW05 for 15 rounds of sampling out of 19 quarterly sampling events. Lead exceedances will be discussed and further evaluated in subsequent RAPRs.

MTBE was detected in 2567MW03 at a concentration of 120.71 µg/L (Round 38) during the current reporting period. The NJDEP GWQC for MTBE is 70 µg/L. The MTBE exceedance was the first in this well since 1998 (Round 5), and three quarters of monitoring have been below the GWQC since. This MTBE exceedance is insignificant due to the lack of a trend.

5.2 Tentatively Identified Compounds (TICs)

During this reporting period, all of the seven wells sampled had individual VOC TICs and total TICs detected below NJDEP GWQC of 100 µg/L for an individual compound or 500 µg/L for

total TIC concentrations. Table 5-9 summarizes the analytical results for the VOC TICs during this reporting period.

5.3 Quality Assurance/Quality Control (QA/QC)

To verify the reliability of the analytical results, VEETech reviewed the holding times for each sample and the results of the analyses of 22 method blanks, 23 trip blanks, 21 field blanks, and 21 field duplicate samples for the groundwater samples. The discussion below is based on QA/QC for the groundwater samples. Samples were analyzed by the FMETL within the prescribed holding time requirements for the analytical methods.

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 22 VOC method blanks were analyzed with the Site 2567 samples during this reporting period. Method blank results were not reported in the analytical data report for 2nd Quarter 2008 (Round 45).

Acetone was detected in one method blank sample at a concentration of 3.82 µg/L (Round 36), below the NJDEP GWQC of 6,000 µg/L for acetone. Acetone is a common laboratory contaminant and detection in the method blank sample is not indicative of a widespread laboratory contamination problem.

Chloroform was detected in one of the method blank samples at a concentration of 0.36 µg/L (Round 40), below the NJDEP GWQC of 70 µg/L for chloroform. Chloroform is also a common laboratory contaminant, and detection in one of the method blank samples is not indicative of a widespread laboratory contamination problem.

1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in one of the method blank samples at concentrations of 0.54 µg/L, 0.44 µg/L, and 0.40 µg/L (Round 38), below the NJDEP GWQC of 600 µg/L for 1,2-Dichlorobenzene, 600 µg/L for 1,3-Dichlorobenzene, and 75 µg/L for 1,4-Dichlorobenzene. This indicates possible cross contamination in laboratory preparation; however, these constituents are not COCs, and were not detected in the primary samples.

TBA was not detected in the method blank samples.

Trip Blanks

A total of 23 trip blanks were included as part of the Site 2567 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 groundwater samples.

Chloroform was detected in four of the trip blanks at concentrations ranging from 0.23 µg/L (Round 40) to 1.40 µg/L (Round 31), below the NJDEP GWQC of 70 µg/L for chloroform.

2-Butanone was also detected in one of the trip blanks at a concentration of 2.38 µg/L (Round 32), below the NJDEP GWQC of 300 µg/L for 2-butanone.

The detection of chloroform and 2-butanone in trip blanks indicates that sample handling procedures, including sample containers, may have introduced VOC contamination into the sampling and analysis process. However, TBA was not detected in any of the 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 21 field blanks were collected during the Site 2567 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 2567 groundwater samples.

Chloroform was detected in three field blank samples collected at concentrations ranging from 0.14 µg/L (Round 40) to 0.98 µg/L (Round 31), below the NJDEP GWQC of 70 µg/L.

2-Butanone was also detected in one field blank at a concentration of 2.62 µg/L (Round 45), below the NJDEP GWQC of 300 µg/L for 2-butanone.

As noted for the trip blanks, these detections indicate that sample handling procedures, including sample containers, may have introduced contamination into the sampling and analysis process. However, TBA and lead were not detected in any of the field blanks.

Duplicate Samples

A total of 21 field duplicate samples were also collected during this reporting period for the Site 2567 sampling events to verify the consistency of the entire sampling and analytical procedure. Results from one of the field duplicate collected (Round 29) was not reported in the analytical data report for that quarter. Two field duplicate samples were collected for two days of sampling for Round 33 and Round 40.

One of the field duplicate samples (Round 31) was analyzed using a Sample Multiplier of 1 and again using a Sample Multiplier of 5, and the corresponding primary sample (2567MW01) was also analyzed using both of these Sample Multipliers, resulting in two duplicate analysis sets for comparison. Another field duplicate sample (Round 38) was analyzed using a Sample Multiplier of 1 and again using a Sample Multiplier of 10, and the corresponding primary sample (2567MW01) was also analyzed using both of these Sample Multipliers, resulting in two duplicate analysis sets for comparison.

A total of 21 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 96.14 percent. The average RPD for the total sets of duplicate analyses was 17.08 percent. The RPD calculations are summarized in Table 5-10. The duplicate sample analyses indicate a high level of precision relative to typical environmental laboratory analytical result data sets.

6.0 REMEDIAL ACTION PROGRESS

The long-term groundwater monitoring results indicate the concentrations of TBA have generally decreased in groundwater at Site 2567. However, results from the Mann-Whitney U-test performed using TBA concentration data from the source well (2567MW01) sampled from the 1st Quarter 2007 through the 4th Quarter 2008 cannot conclude that the concentrations are currently decreasing. There is no indication of plume migration offsite. MTBE was detected above NJDEP GWQC, but not significantly to conclude it as a COC. Lead exceedances will be discussed and further evaluated in subsequent RAPRs.

6.1 Cost of Remediation Incurred To-Date

The total cost to-date for the annual implementation of the remedial actions performed at the Site 2567 is approximately $221K (Appendix F). This includes the UST Closure and Site Assessment, Preliminary Assessment phase, Site Investigation, RIR/RAWP, LTM, and reporting.

6.2 Conclusions

Results from the Mann-Whitney U-test performed using TBA concentration data from the source well (2567MW01) sampled from the 1st Quarter 2007 through the 4th Quarter 2008 cannot conclude that the concentrations are currently decreasing. In situ treatment should be evaluated for this site to reduce TBA groundwater concentrations.

6.3 Recommendations

VEETech recommends that the DPW continue quarterly groundwater sampling and monitoring activities, as concentrations of TBA in groundwater (2567MW01) continue to exceed NJDEP GWQC. The remaining six monitoring wells (2567MW02, 2567MW03, 2567MW04, 2567MW05, 2567MW06, and 2567MW07) are placed around the suspected source area (monitoring well 2567MW01) and are also recommended for continued groundwater sampling and monitoring activities. Remedial action progress will be monitored and reported to the NJDEP periodically.

The existing UST dispenser island areas have not been assessed, and an environmental investigation in accordance with the current NJDEP regulation will be performed after the facility is closed and the system is taken out of service. The Facility is tentatively scheduled to be closed in the summer of 2011 as required under the Base Realignment and Closure Law.

The down gradient wetland area will be further evaluated and a BEE will be completed as per NJDEP requirements. Results will be discussed in subsequent RAPRs. Active remedial alternatives will be evaluated to promote and accelerate the degradation of TBA. The exceedance of lead at the site is being evaluated and will be discussed in subsequent RAPRs.

6.3.1 Sampling Program

The groundwater at the Site 2567 is sampled for VOCs and lead. The following table provides a summary of the current quarterly groundwater sampling program and recommended future sampling at Site 2567.

Monitoring Well	Analyzed for	Recommended Future Sampling	Reason
2567MW01	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	COC exceedances of GWQC for TBA. Source well.
2567MW02	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	COCs not detected in current reporting period. Upgradient well.
2567MW03	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	COCs detected with three detections above GWQC in current reporting period. MTBE detected with one detection above GWQC in current reporting period. Side gradient well.
2567MW04	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	Lead detected with one detection above GWQC in current reporting period. Upgradient well
2567MW05	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	Exceedances of GWQC for lead. Downgradient well.
2567MW06	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	One detection of lead above GWQC in current reporting period. Downgradient well.
2567MW07	VOCs, Lead	Continue VOCs and Lead Sampling Quarterly	TBA and lead detected. Downgradient well.

6.4 Remedial Action Schedule

The table and Gantt chart provided in Appendix F is a schedule summary for remedial activities at Site 2567 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.

7.0 REFERENCES

U.S. Geological Survey, Photorevised 1981, *Long Branch Quadrangle Map*.

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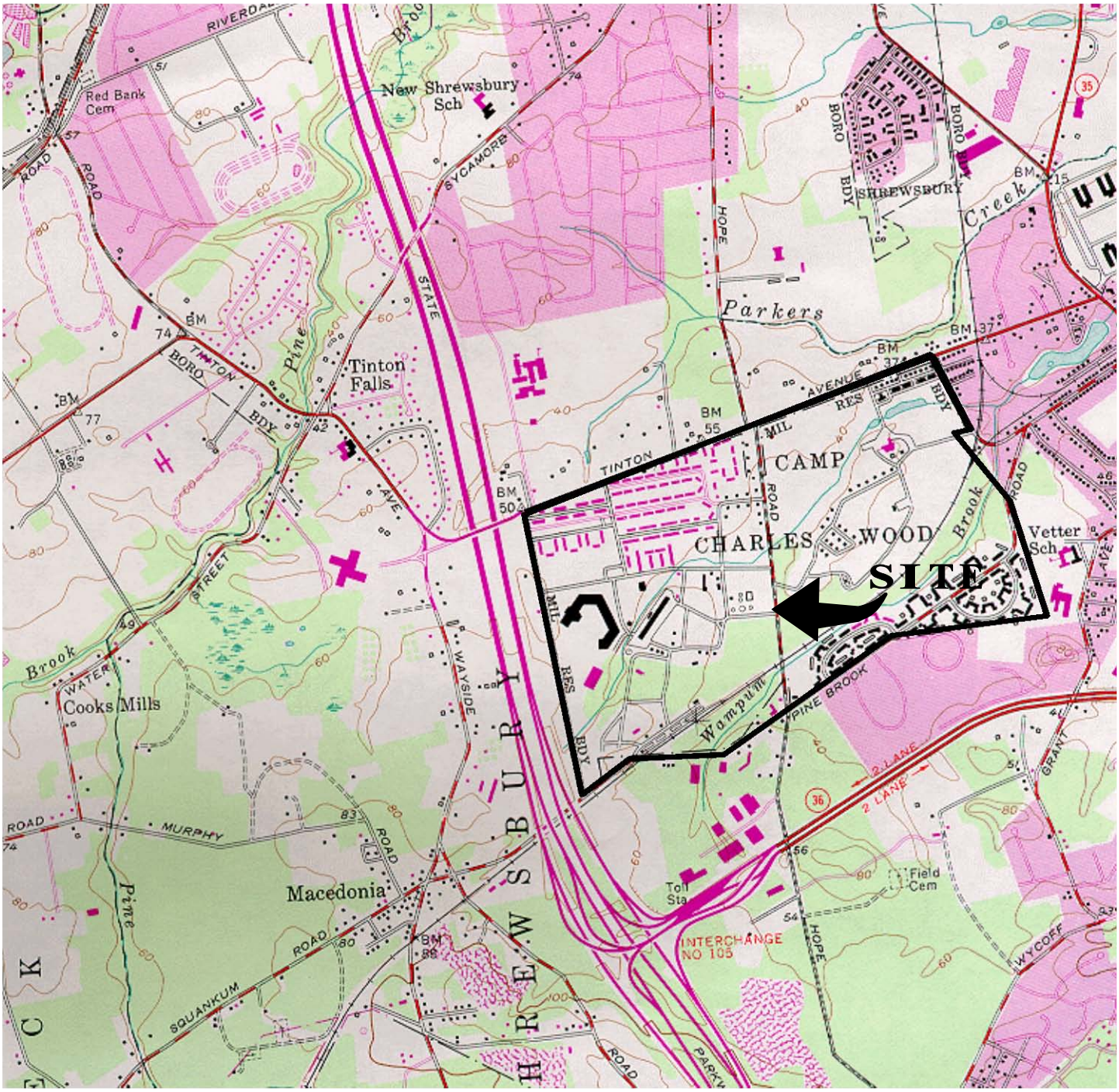
FIGURES



LONG BRANCH, N. J.

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NEW JERSEY

QUADRANGLE LOCATION

Mapped, edited and published by the Geological Survey

Figure 2-1
Site 2567 (FTMM-58)
Location Map
Fort Monmouth, New Jersey

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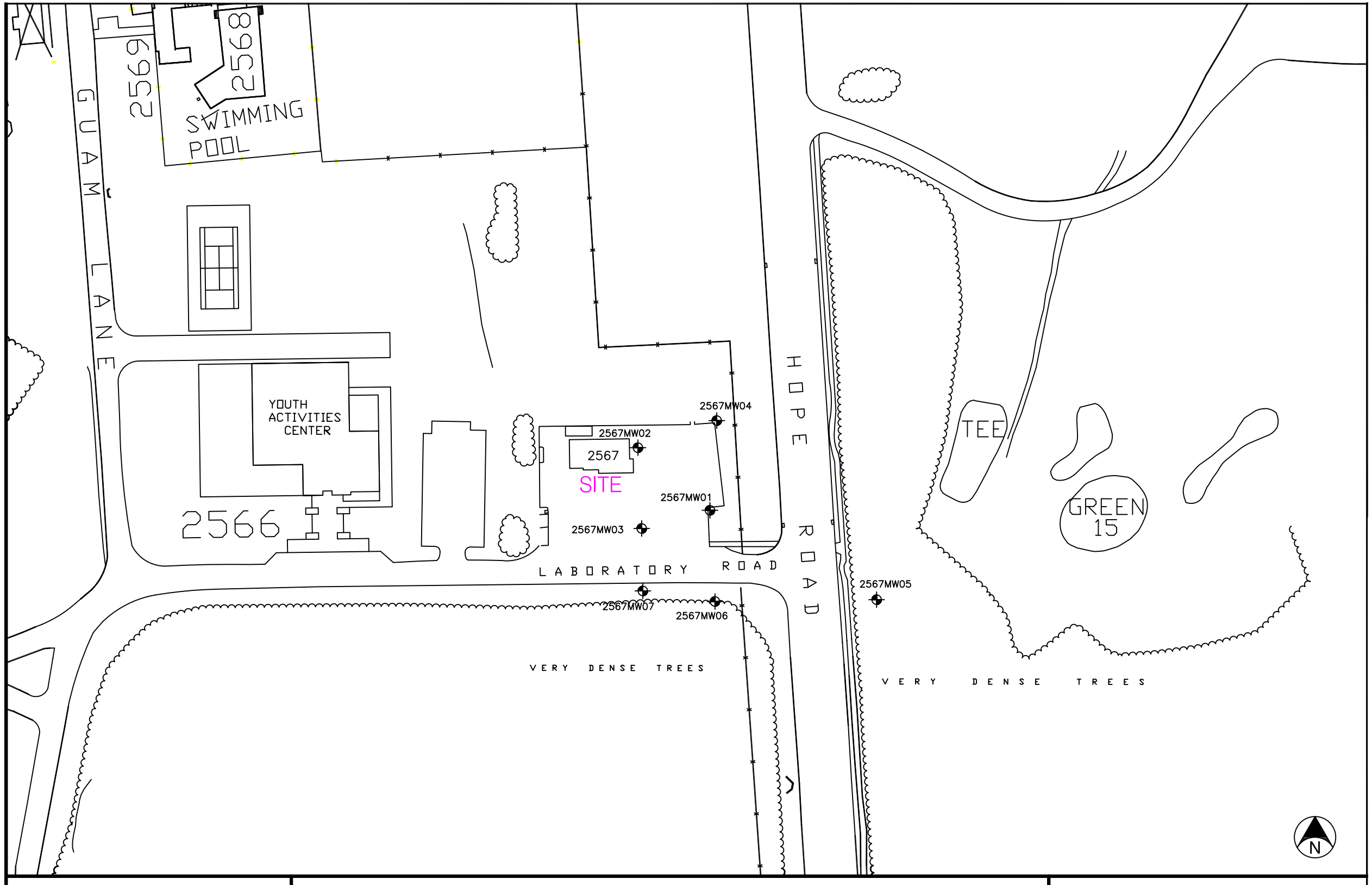

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SITE LAYOUT MAP

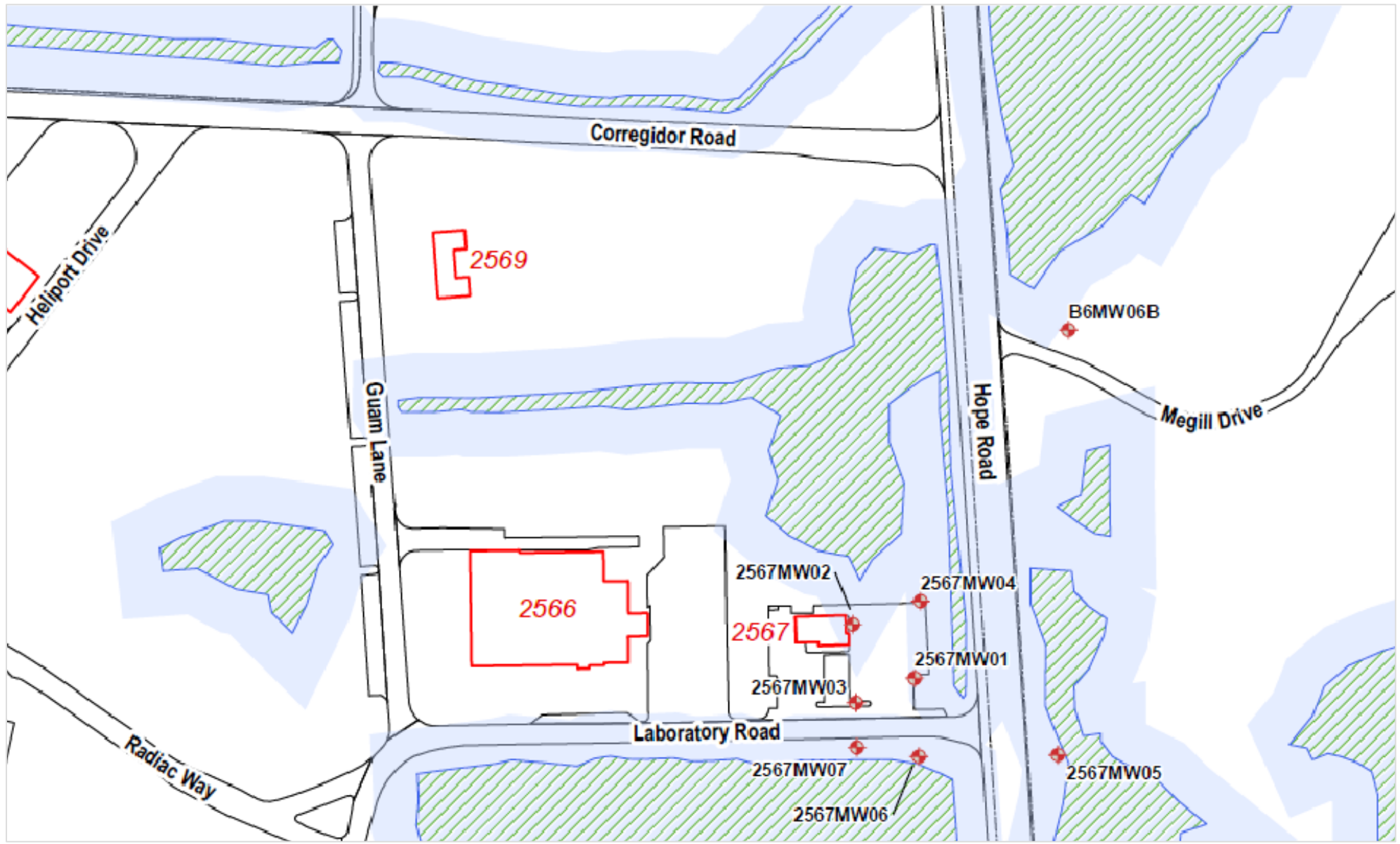
SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042-06-017

SCALE
0 25 50 100

6-May-10

FIGURE NO.
2-2



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WETLAND MAP – SURROUNDING SITE 2567

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042-06-017

SCALE
0 37.5 75 150

6-May-10

FIGURE NO.
2-3

APPENDIX G
Contour Map Reporting Form

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

figure 4-1

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. If yes, show the formula used to correct the water table elevation.

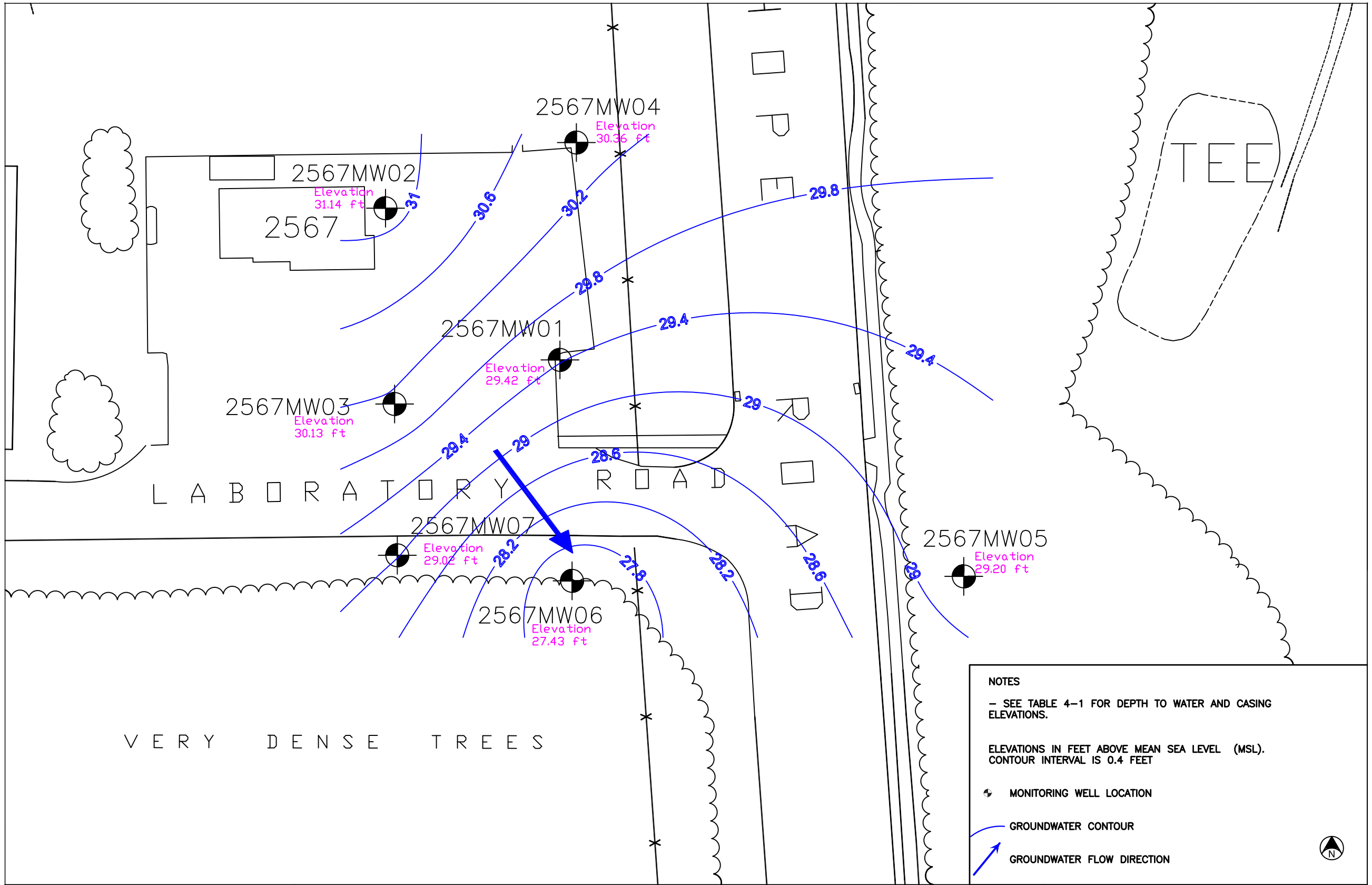
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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 X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (JUNE 22, 2004)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-1

APPENDIX G
Contour Map Reporting Form

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

Figure 4-2

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. If yes, show the formula used to correct the water table elevation.

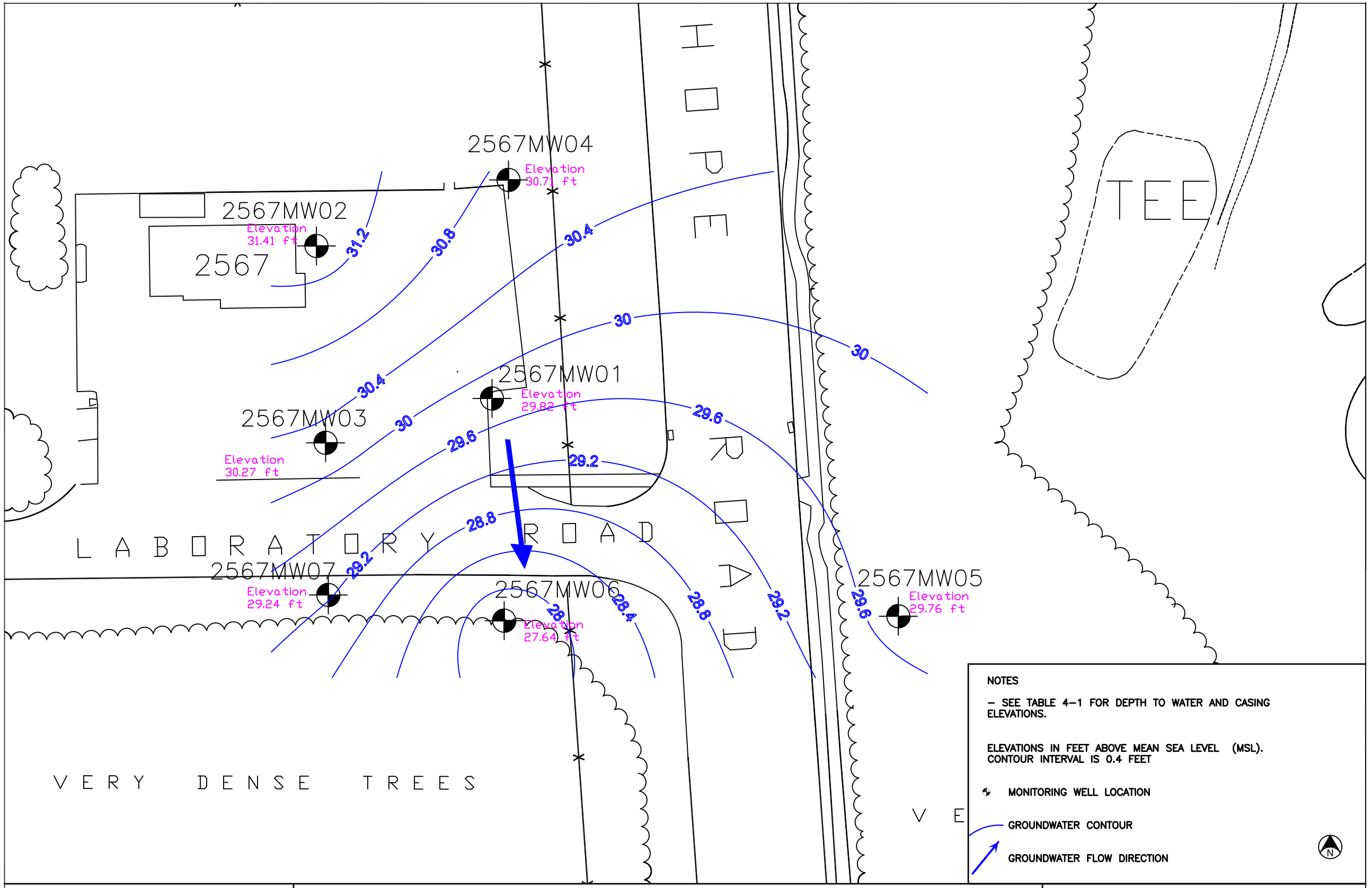
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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 X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (AUGUST 12, 2004)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-2

APPENDIX G
Contour Map Reporting Form

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

Figure 4-3

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. If yes, show the formula used to correct the water table elevation.

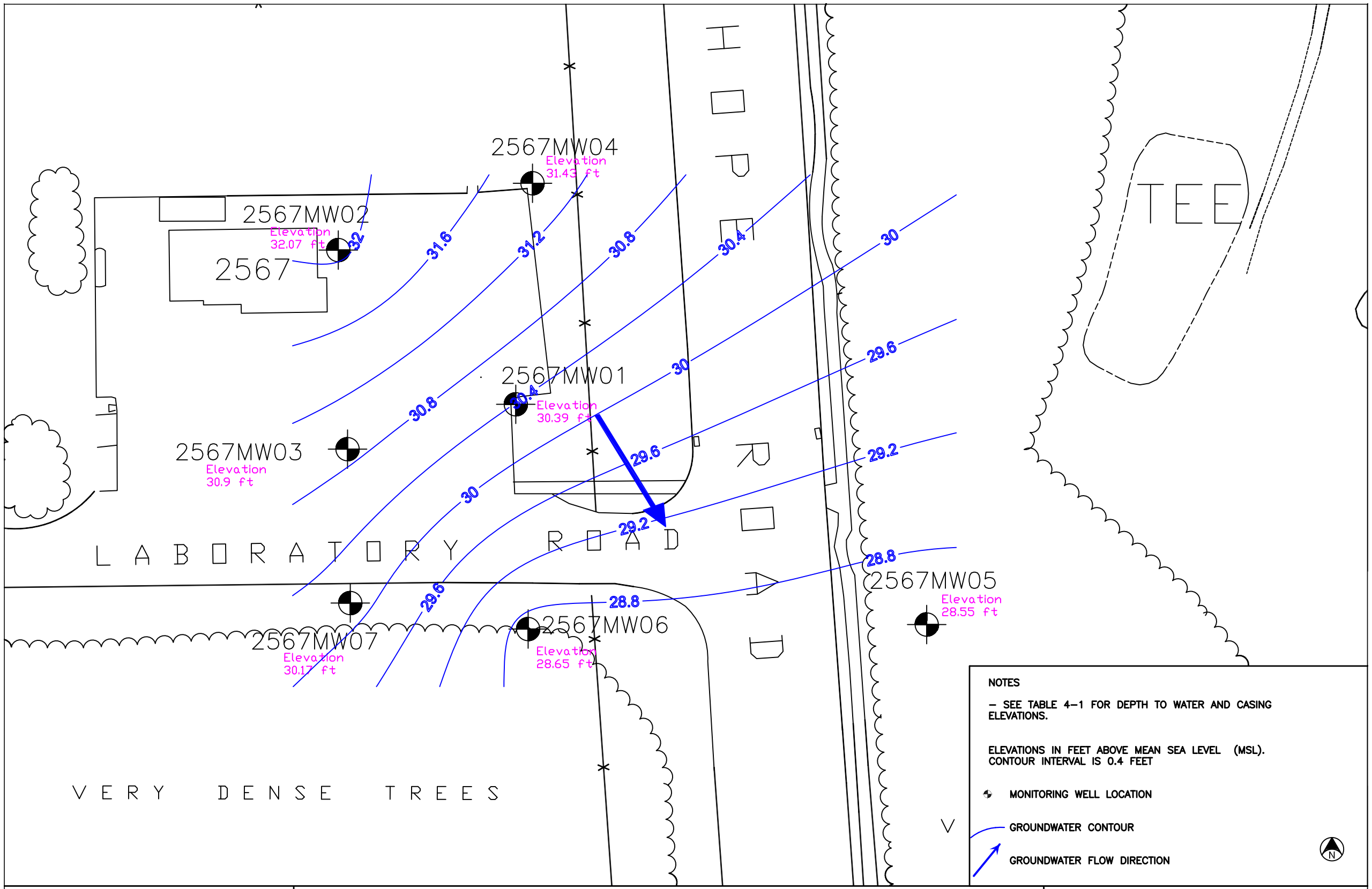
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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 X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (NOV 24, 2004)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-3

APPENDIX G
Contour Map Reporting Form

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

Figure 9-4

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. If yes, show the formula used to correct the water table elevation.

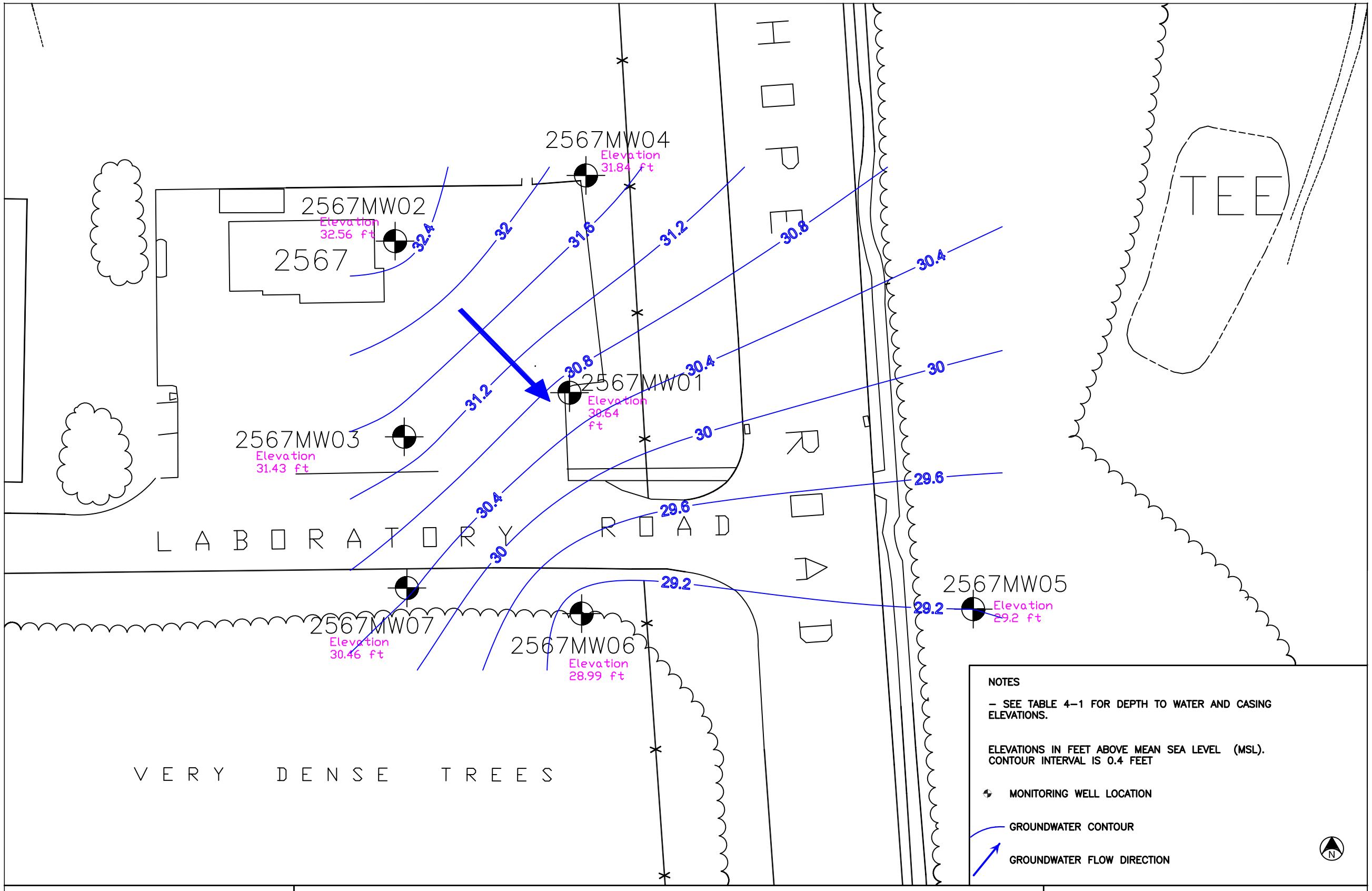
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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 X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (FEB 11, 2005)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-4

APPENDIX G
Contour Map Reporting Form

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

Figure 4-5

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.).

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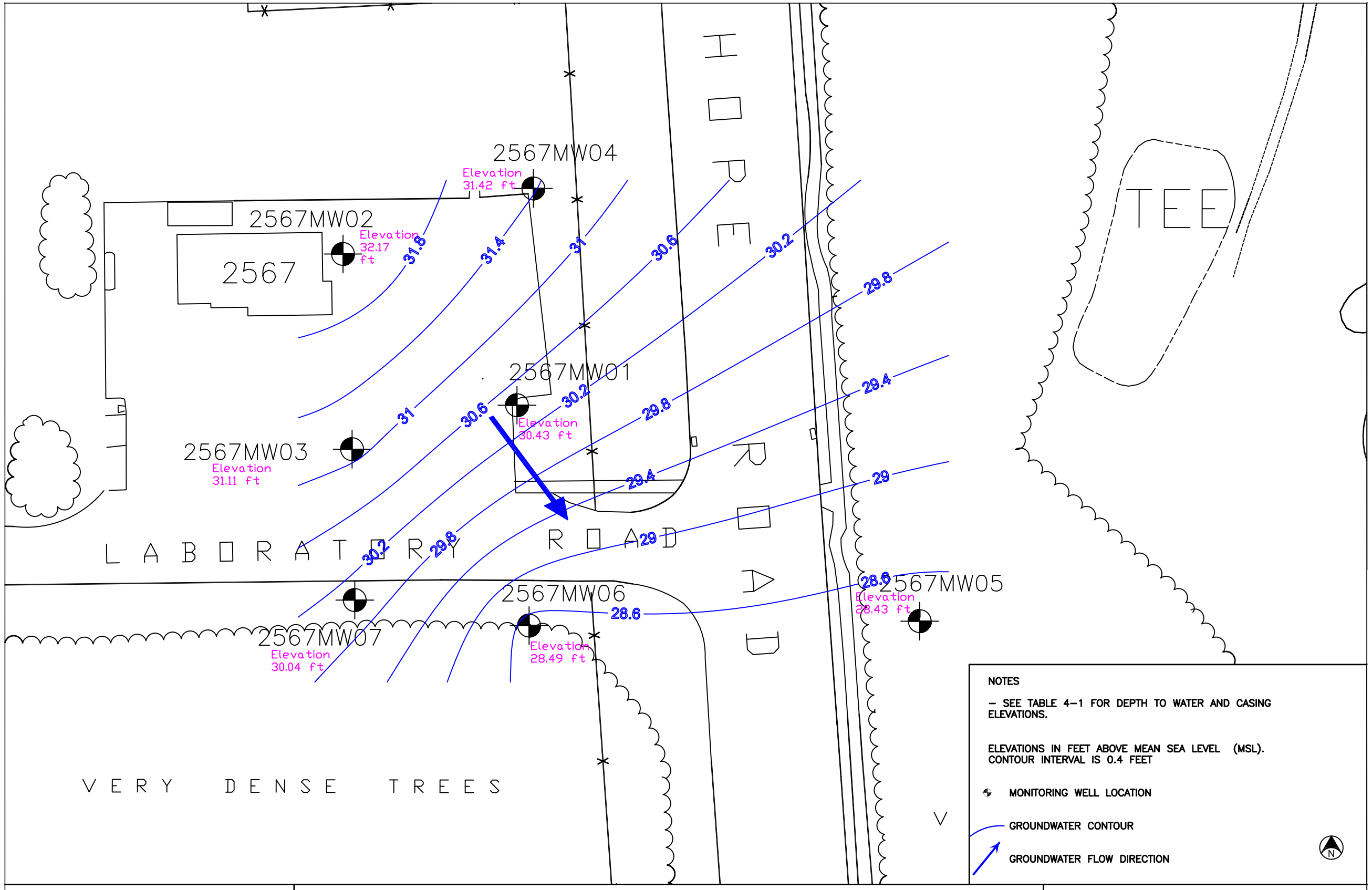
8. Were the ground water contours computer generated X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (MAY 06, 2005)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-5

APPENDIX G
Contour Map Reporting Form

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

Figure 4-6

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.).

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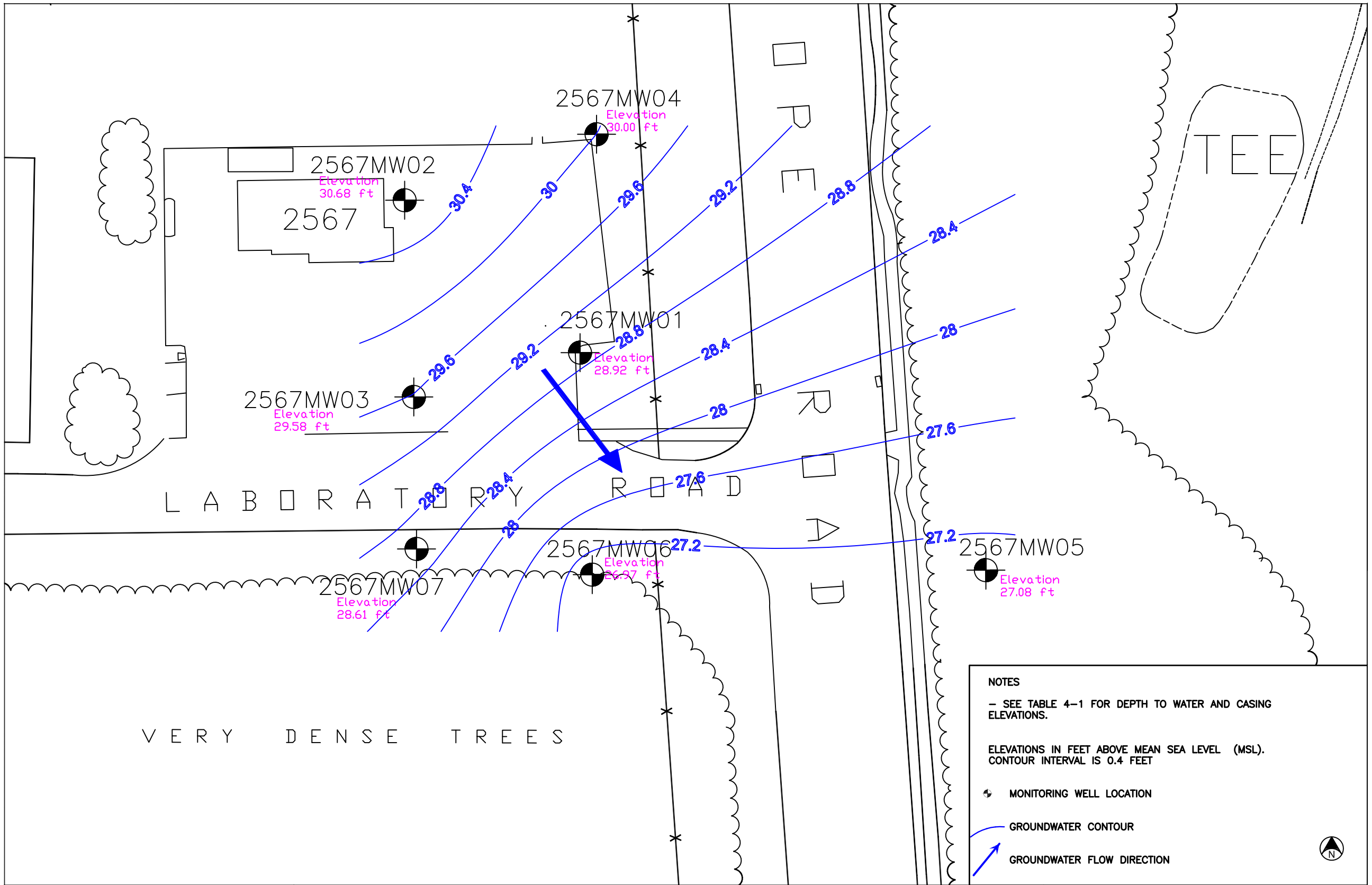
Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (AUGUST 16, 2005)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-6

APPENDIX G
Contour Map Reporting Form

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

Figure 4-7

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.).

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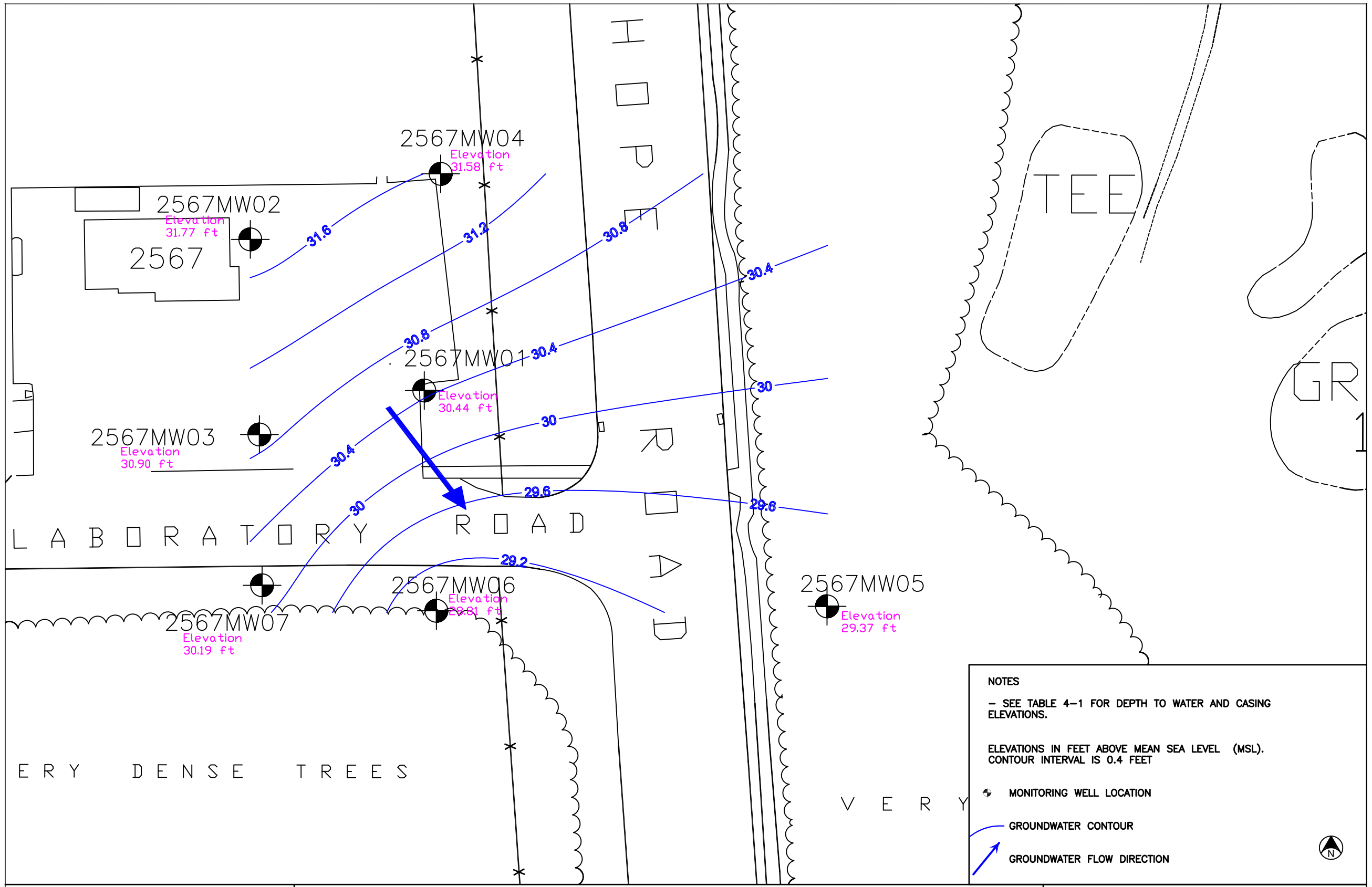
Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (NOV 17, 2005)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-7

APPENDIX G
Contour Map Reporting Form

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

Figure 4-8

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.).

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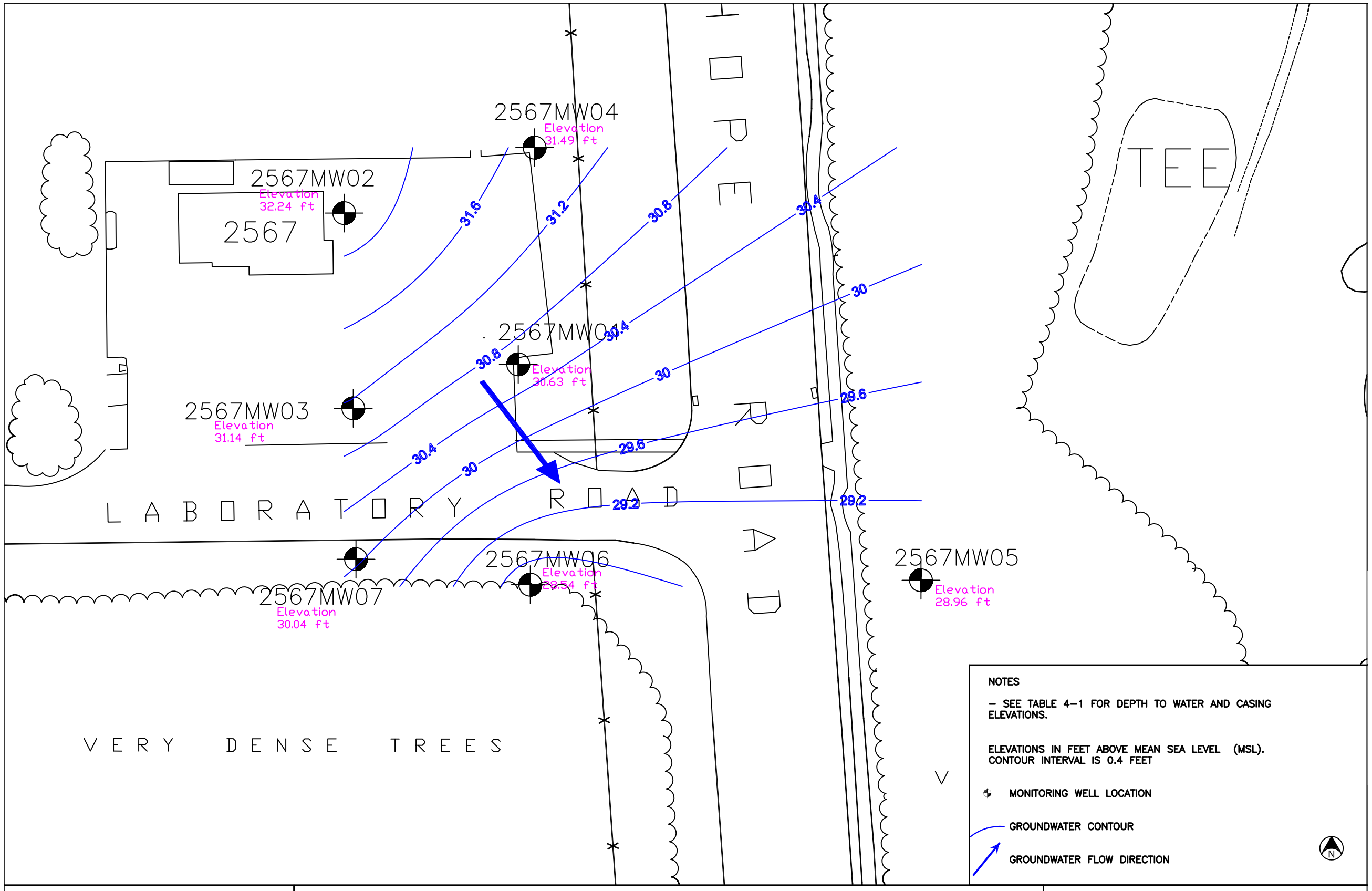
Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (JAN 30, 2006)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-8

APPENDIX G
Contour Map Reporting Form

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

Figure 9-9

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.).

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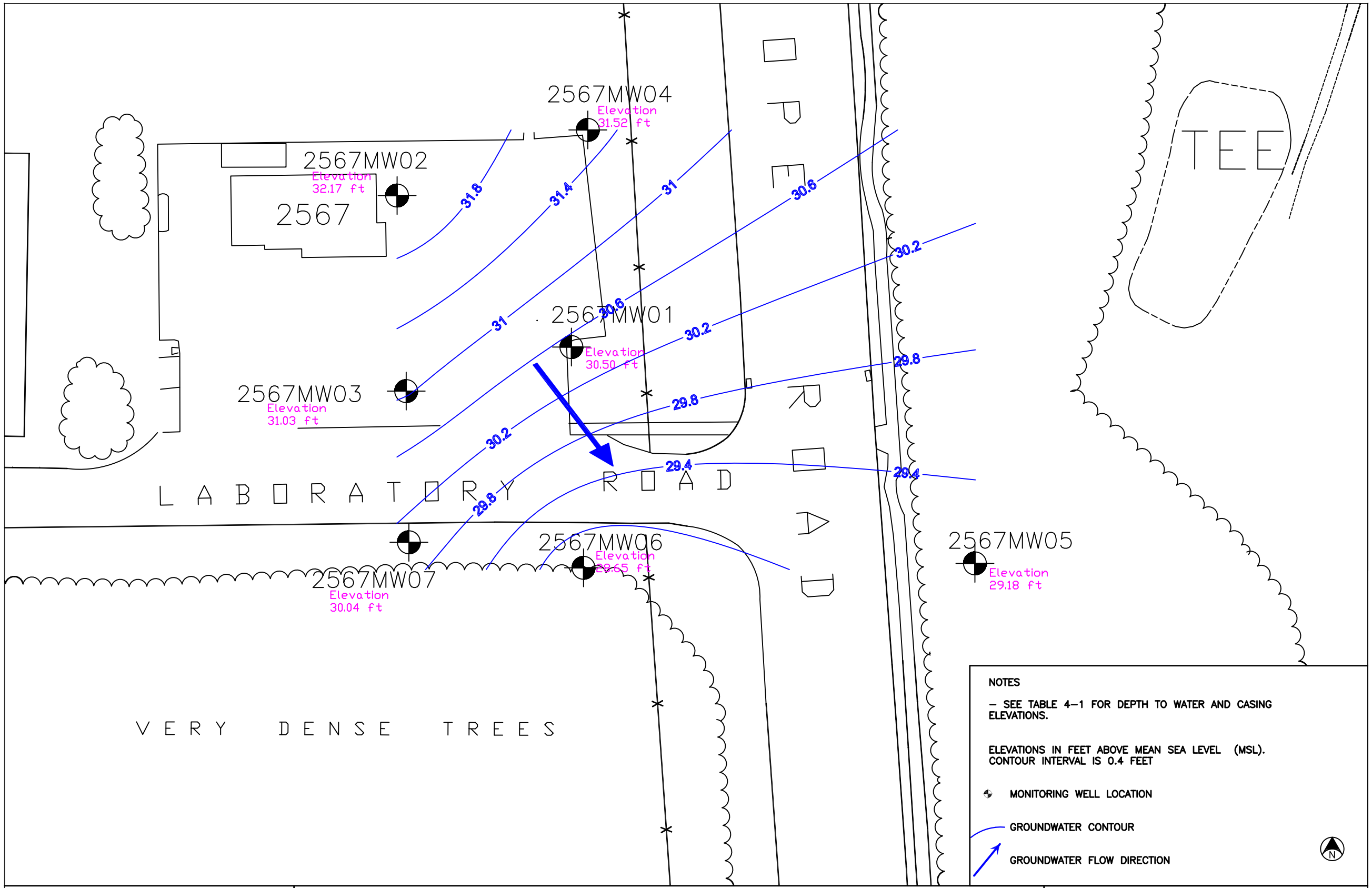

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GROUNDWATER CONTOUR MAP (APRIL 26, 2006)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-9

APPENDIX G
Contour Map Reporting Form

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

figure 4-10

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.).

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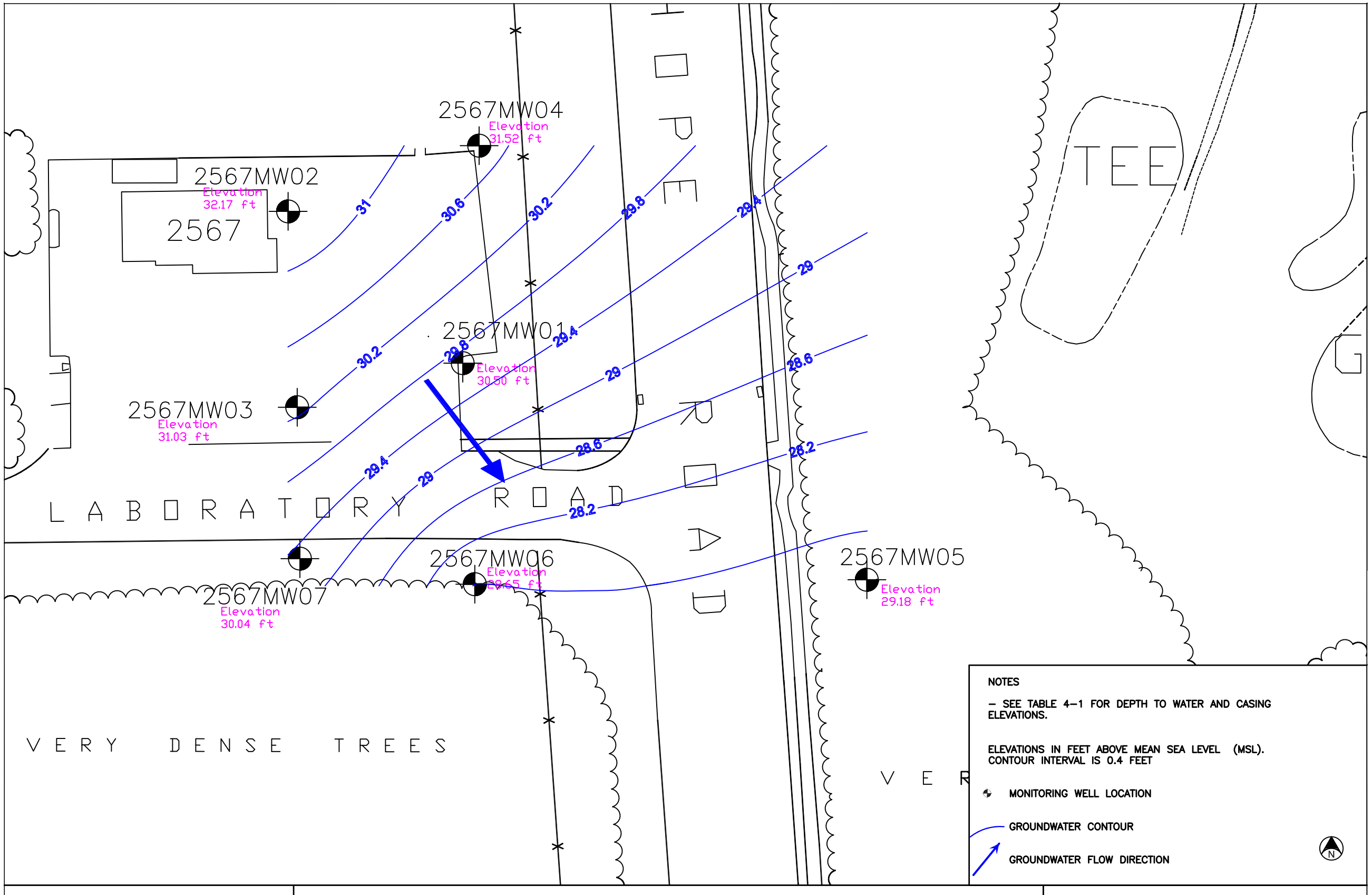

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GROUNDWATER CONTOUR MAP (JULY 26, 2006)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-10

APPENDIX G
Contour Map Reporting Form

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

Figure 4-11

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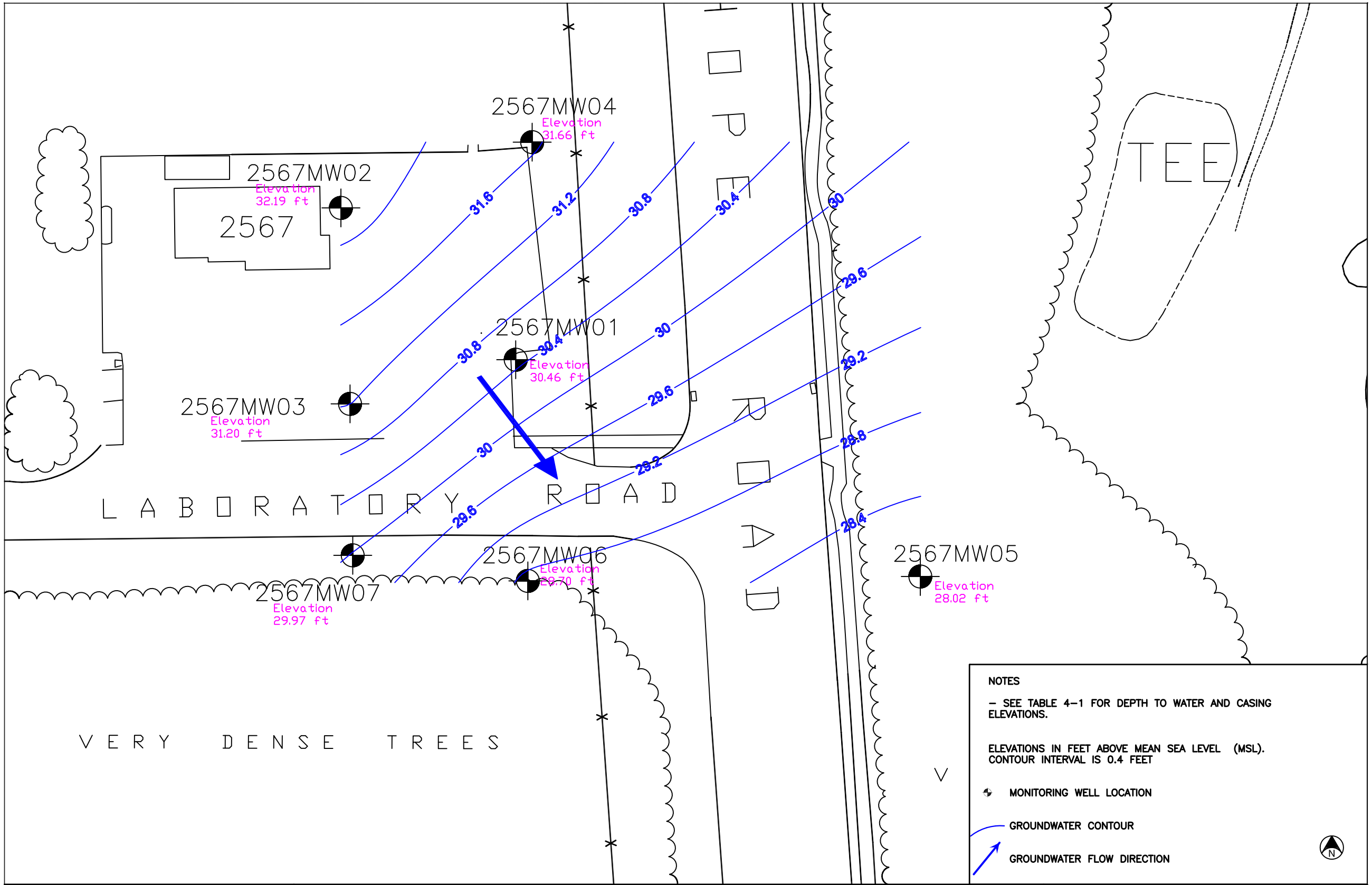

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GROUNDWATER CONTOUR MAP (OCT 31, 2006)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-11

APPENDIX G
Contour Map Reporting Form

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

Figure 4-12

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.).

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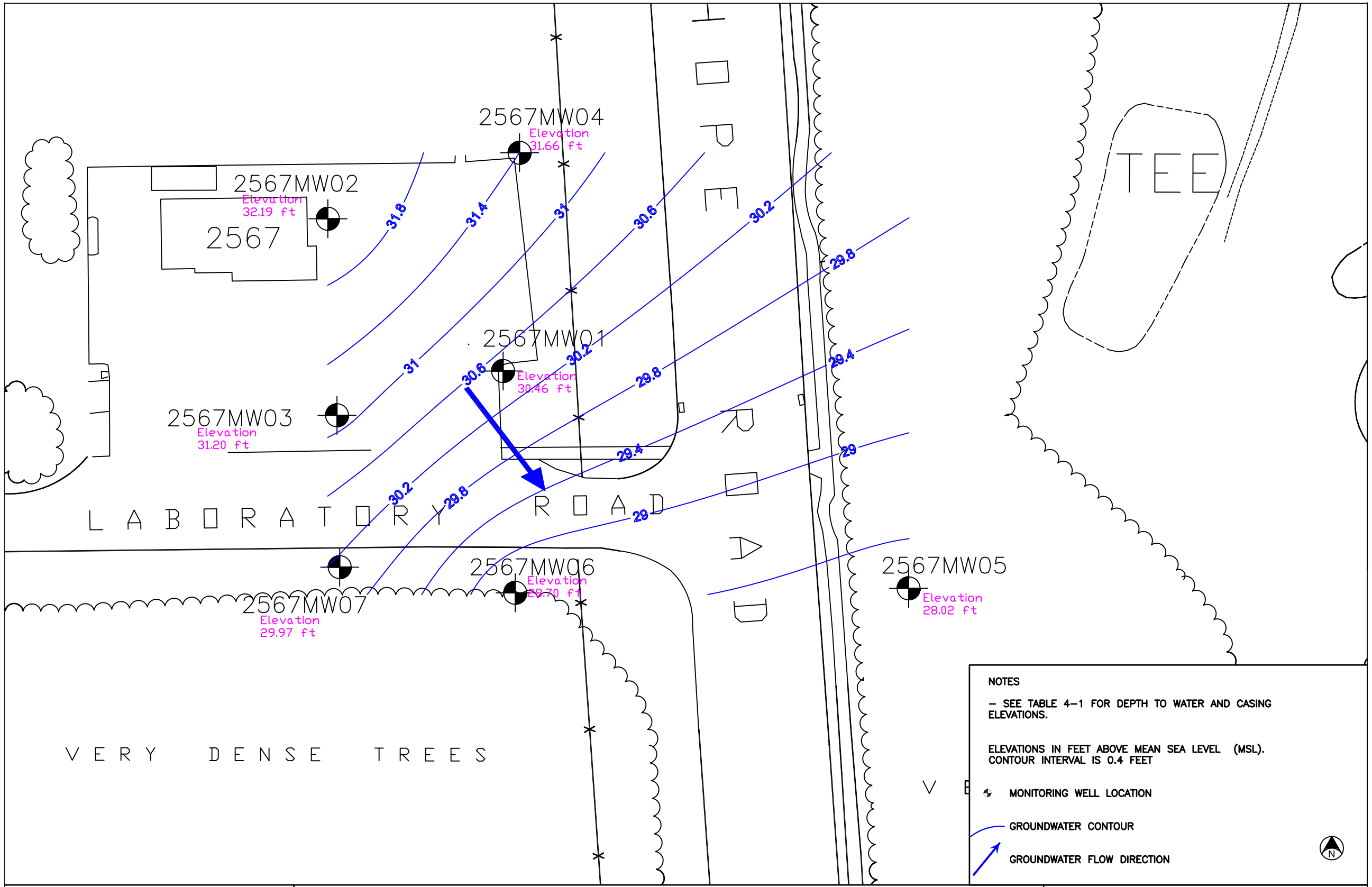

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GROUNDWATER CONTOUR MAP (JAN 18, 2007)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-12

APPENDIX G
Contour Map Reporting Form

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

figure 4-13

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.).

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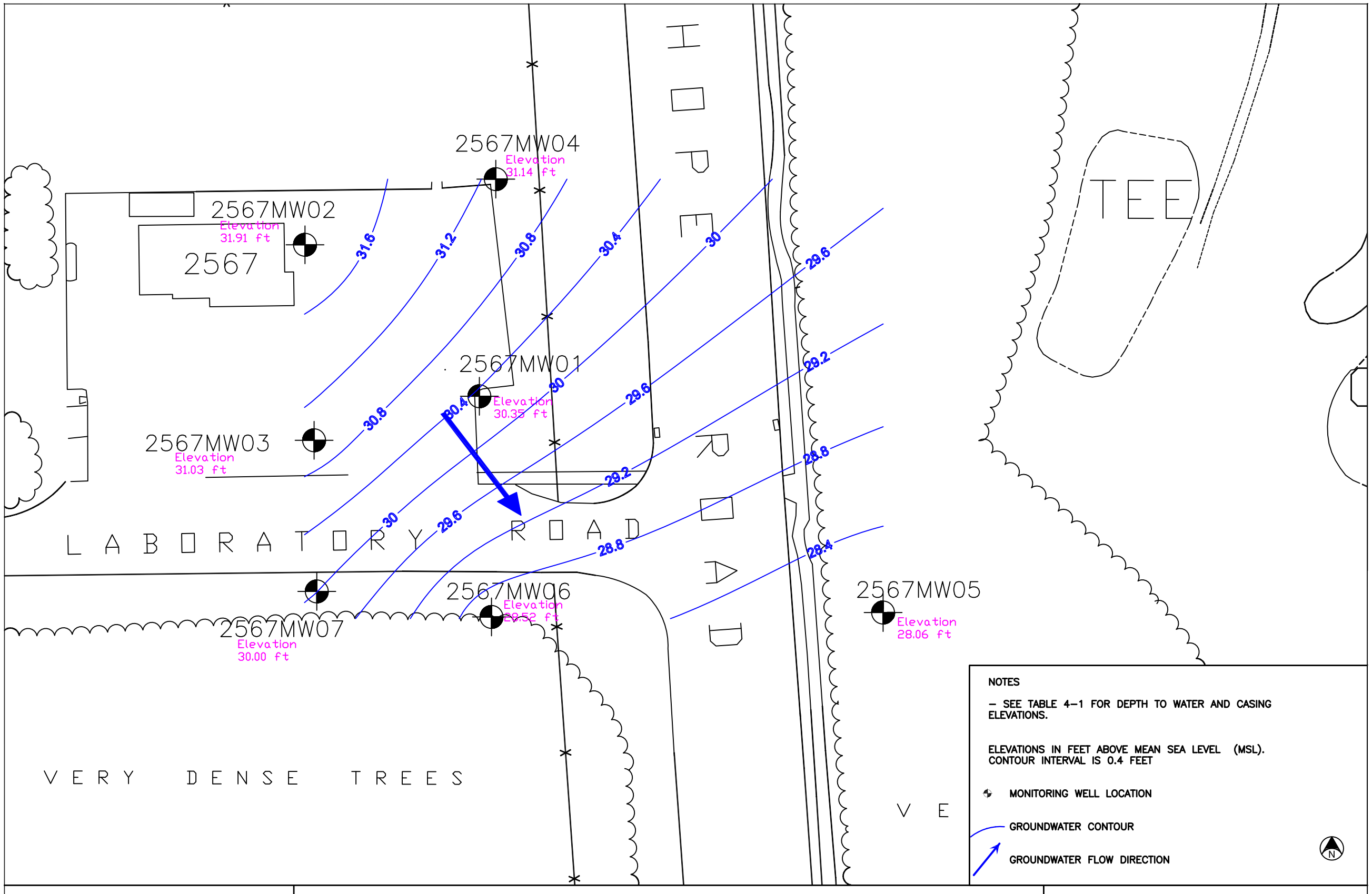

NOTES

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

ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (MSL).
CONTOUR INTERVAL IS 0.4 FEET

MONITORING WELL LOCATION

GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

N

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GROUNDWATER CONTOUR MAP (MAY 08, 2007)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-13

APPENDIX G
Contour Map Reporting Form

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

Figure 4-14

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.).

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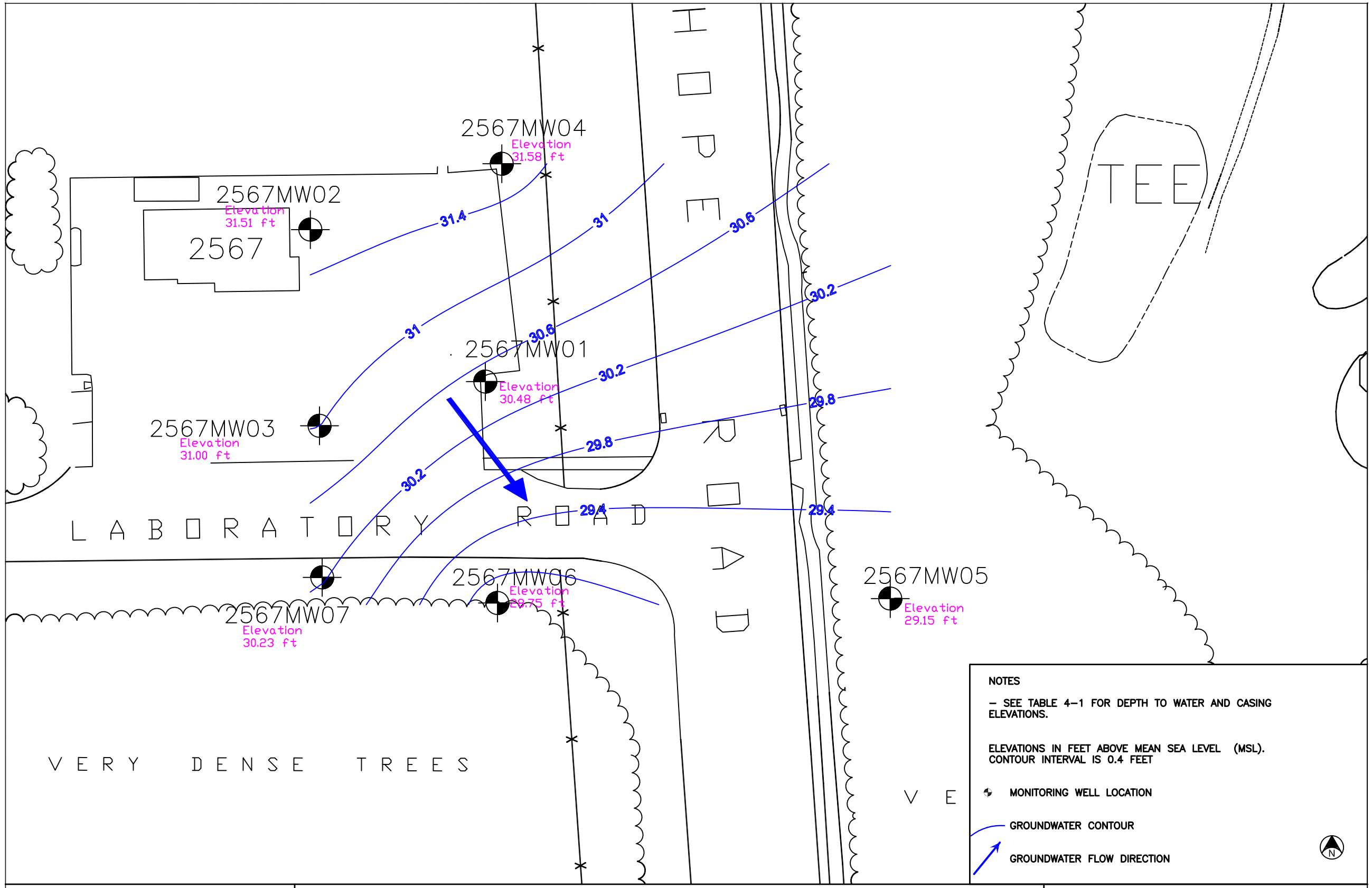

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GROUNDWATER CONTOUR MAP (JULY 30, 2007)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-14

APPENDIX G
Contour Map Reporting Form

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

figure 4-15

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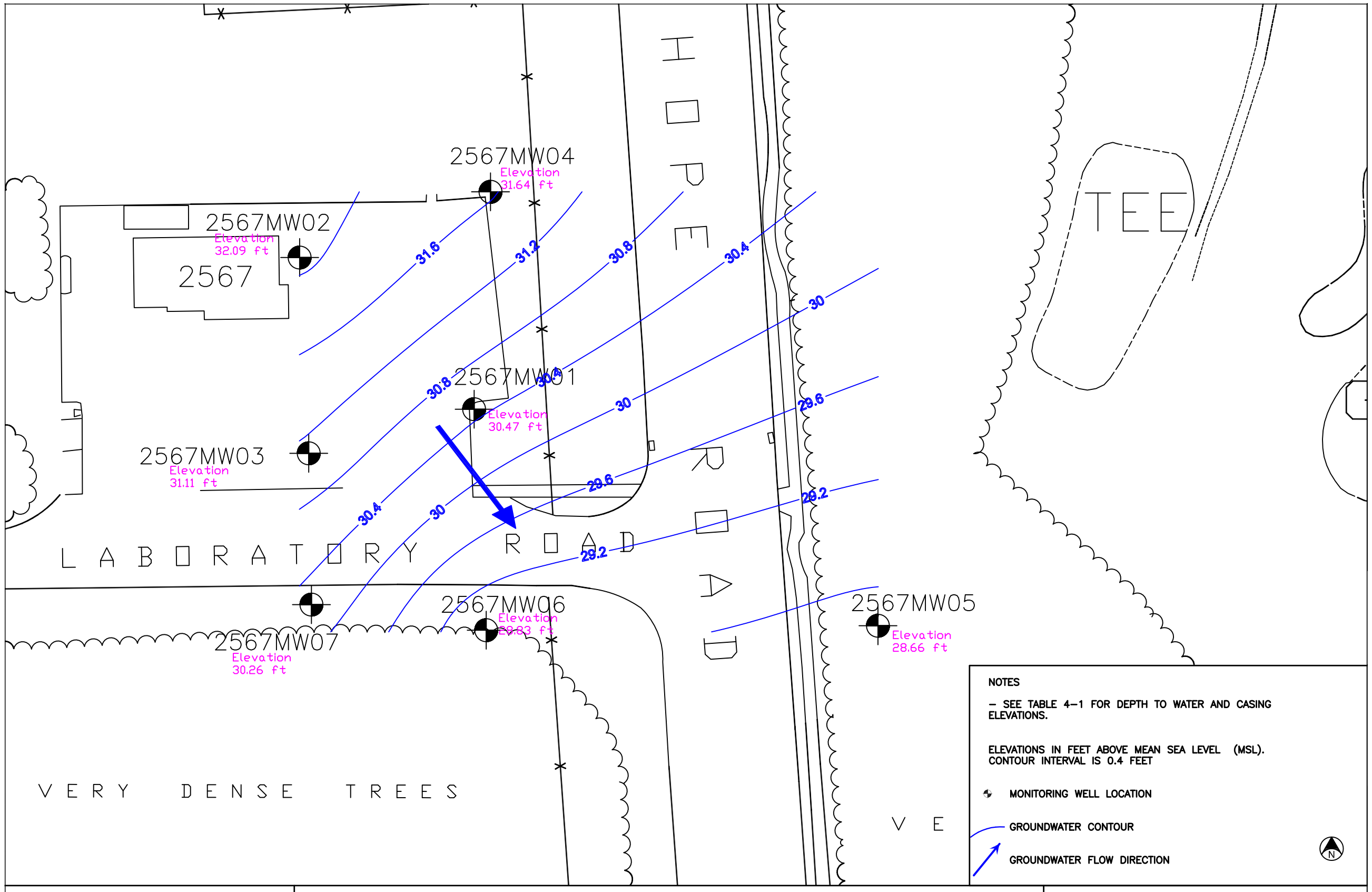

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GROUNDWATER CONTOUR MAP (DEC 04, 2007)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-15

APPENDIX G
Contour Map Reporting Form

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

Figure 9-16

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. If yes, show the formula used to correct the water table elevation.

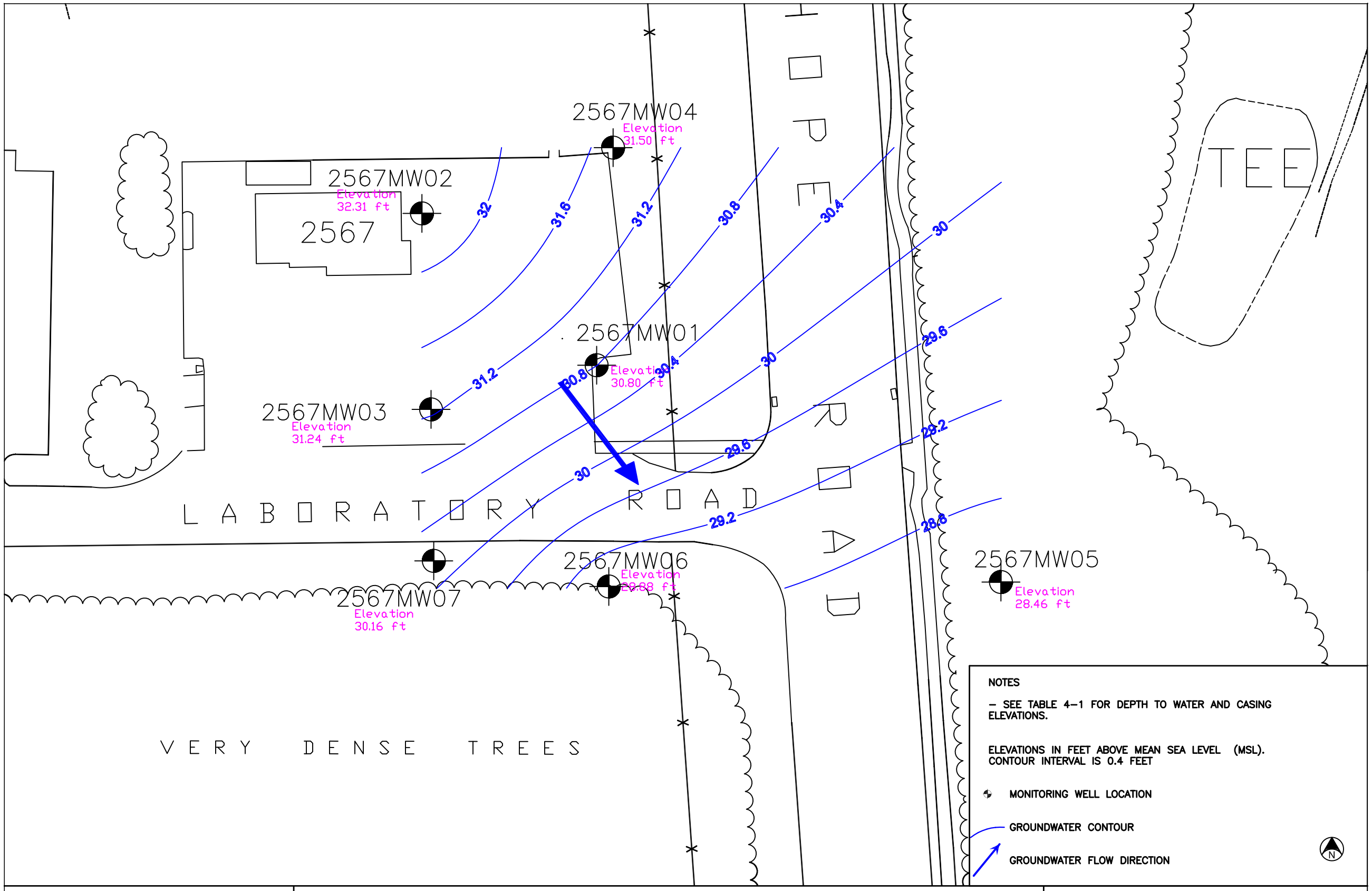
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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_X_, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



VEETech, P.C.
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GROUNDWATER CONTOUR MAP (FEB 29, 2008)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-16

APPENDIX G
Contour Map Reporting Form

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

Figure 4-17

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.).

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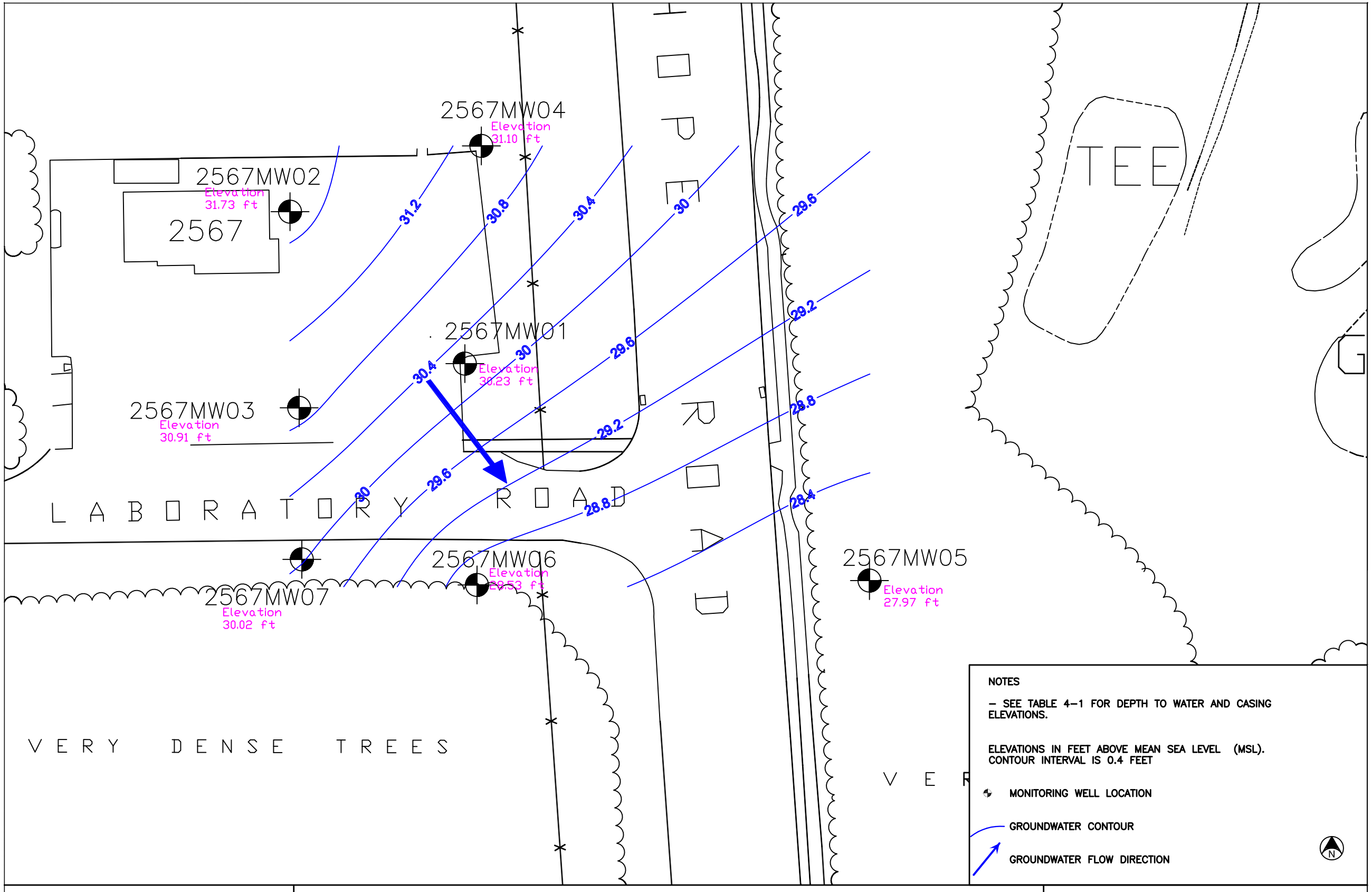
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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 X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (APRIL 23, 2008)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-17

APPENDIX G
Contour Map Reporting Form

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

Figure 9-18

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. 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.

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.

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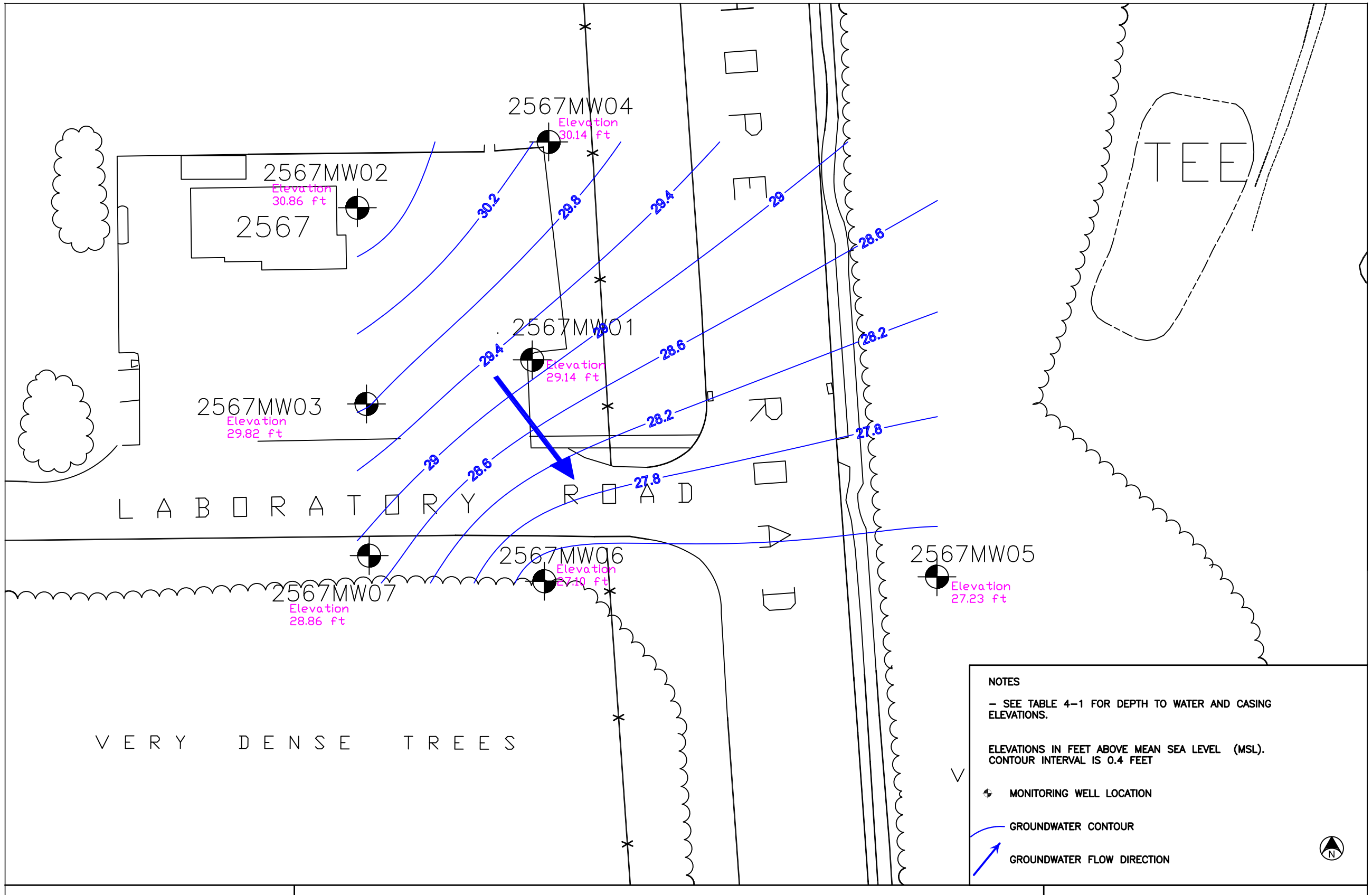
8. Were the ground water contours computer generated X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (AUGUST 08, 2008)

SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-18

APPENDIX G
Contour Map Reporting Form

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

Figure 4-19

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___ No X. If yes, identify these wells.

3. Are there any monitor wells present at the site but omitted from the contour map? Yes___ No X. Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

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 X. If yes, show the formula used to correct the water table elevation.

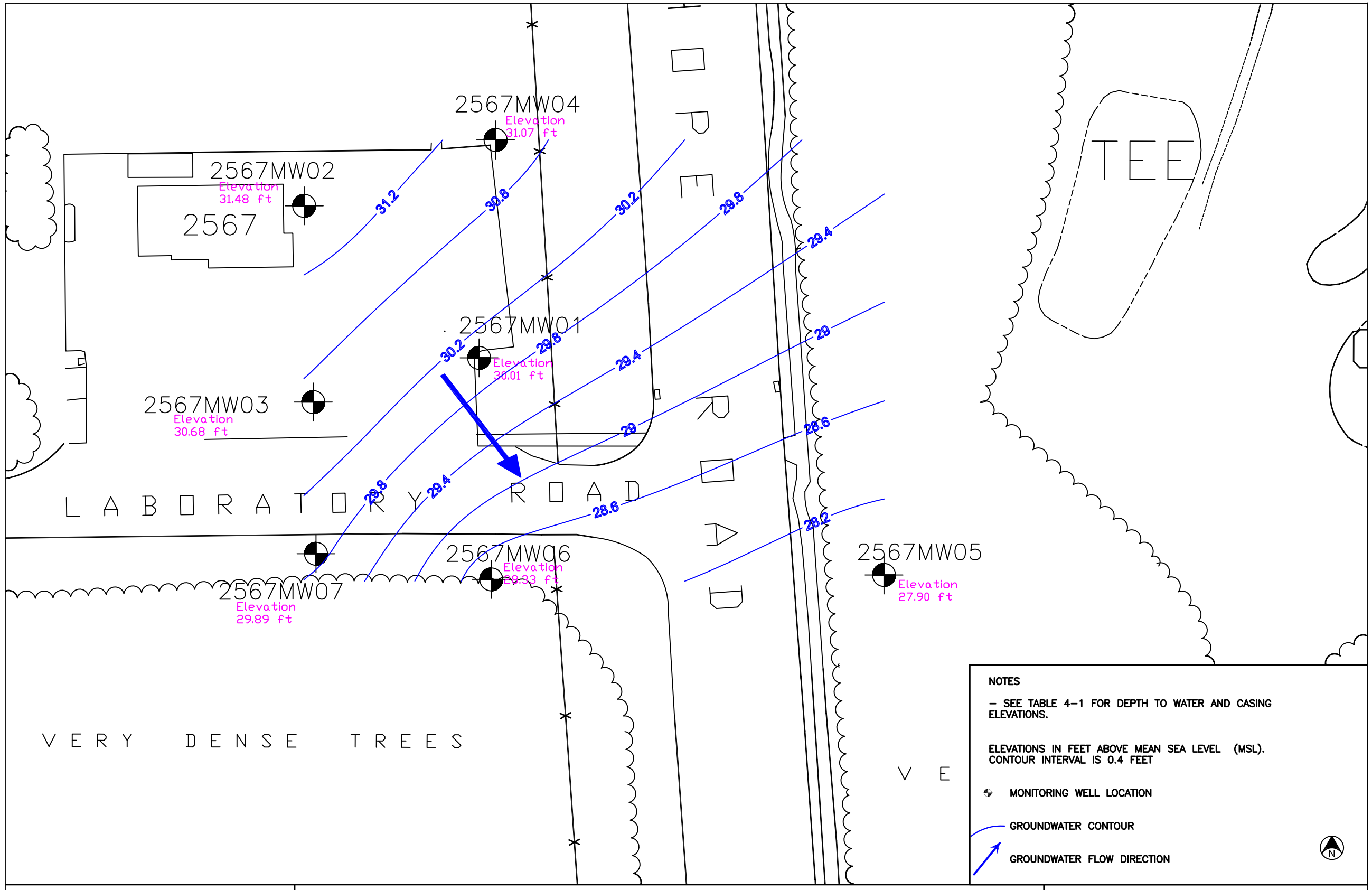
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? Yes___ No X. If yes, discuss the reasons for the change.

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 X, computer aided___, or hand-drawn___? If computer aided or generated, identify the interpolation method(s) used.

Surfer Contour Mapping Software



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GROUNDWATER CONTOUR MAP (NOV 04, 2008)

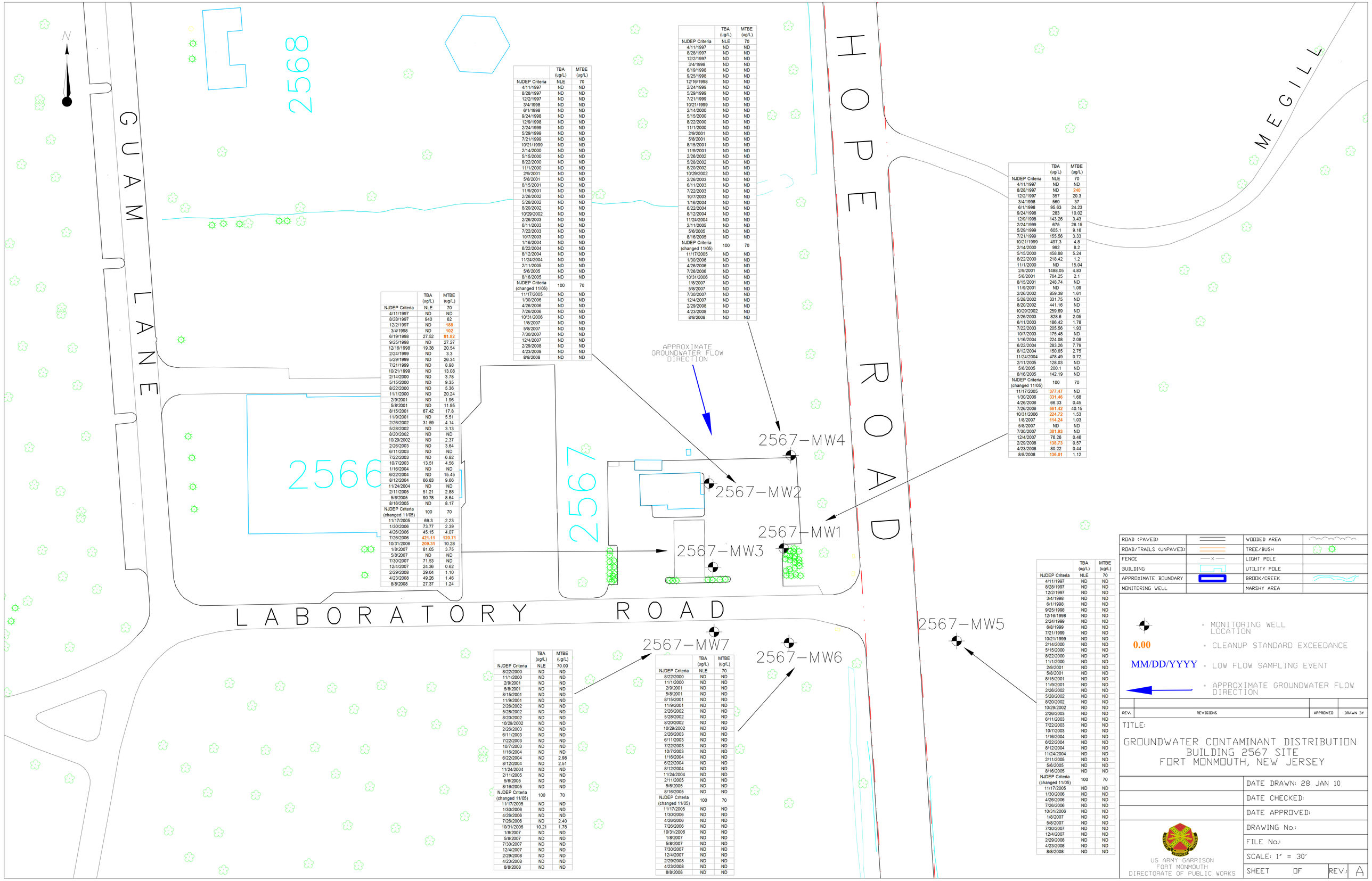
SITE 2567
FORT MONMOUTH, NEW JERSEY

PROJECT NO.: 1042–06–017

DATE: 30–NOV–09

SCALE
0 10 20 40

FIGURE NO.
4-19



NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70
4/11/1997	ND	ND
8/28/1997	ND	ND
12/2/1997	ND	ND
3/4/1998	ND	ND
6/1/1998	ND	ND
9/24/1998	ND	ND
12/8/1998	ND	ND
2/24/1999	ND	ND
5/29/1999	ND	ND
7/21/1999	ND	ND
10/21/1999	ND	ND
2/14/2000	ND	ND
5/15/2000	ND	ND
8/22/2000	ND	ND
11/1/2000	ND	ND
2/9/2001	ND	ND
5/8/2001	ND	ND
8/15/2001	ND	ND
11/9/2001	ND	ND
2/26/2002	ND	ND
5/28/2002	ND	ND
8/20/2002	ND	ND
10/29/2002	ND	ND
2/26/2003	ND	ND
6/11/2003	ND	ND
7/22/2003	ND	ND
10/7/2003	ND	ND
1/16/2004	ND	ND
6/22/2004	ND	ND
8/12/2004	ND	ND
11/24/2004	ND	ND
2/11/2005	ND	ND
5/6/2005	ND	ND
8/16/2005	ND	ND
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	ND	ND
1/30/2006	ND	ND
4/26/2006	ND	ND
7/26/2006	ND	ND
10/31/2006	ND	ND
1/8/2007	ND	ND
5/8/2007	ND	ND
7/30/2007	ND	ND
12/4/2007	ND	ND
2/29/2008	ND	ND
4/23/2008	ND	ND
8/8/2008	ND	ND

NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70
4/11/1997	ND	ND
8/28/1997	ND	ND
12/2/1997	ND	ND
3/4/1998	ND	ND
6/19/1998	ND	ND
9/25/1998	ND	ND
12/16/1998	ND	ND
2/24/1999	ND	ND
5/29/1999	ND	ND
7/21/1999	ND	ND
10/21/1999	ND	ND
2/14/2000	ND	ND
5/15/2000	ND	ND
8/22/2000	ND	ND
11/1/2000	ND	ND
2/9/2001	ND	ND
5/8/2001	ND	ND
8/15/2001	ND	ND
11/9/2001	ND	ND
2/26/2002	ND	ND
5/28/2002	ND	ND
8/20/2002	ND	ND
10/29/2002	ND	ND
2/26/2003	ND	ND
6/11/2003	ND	ND
7/22/2003	ND	ND
10/7/2003	ND	ND
1/16/2004	ND	ND
6/22/2004	ND	ND
8/12/2004	ND	ND
11/24/2004	ND	ND
2/11/2005	ND	ND
5/6/2005	ND	ND
8/16/2005	ND	ND
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	ND	ND
1/30/2006	ND	ND
4/26/2006	ND	ND
7/26/2006	ND	ND
10/31/2006	ND	ND
1/8/2007	ND	ND
5/8/2007	ND	ND
7/30/2007	ND	ND
12/4/2007	ND	ND
2/29/2008	ND	ND
4/23/2008	ND	ND
8/8/2008	ND	ND

NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70
4/11/1997	ND	ND
8/28/1997	ND	240
12/2/1997	357	20.3
3/4/1998	560	37
6/1/1998	95.63	24.23
9/24/1998	283	10.02
12/9/1998	143.26	3.43
2/24/1999	675	26.15
5/29/1999	605.1	9.16
7/21/1999	155.56	3.33
10/21/1999	497.3	4.8
2/14/2000	992	8.2
5/15/2000	458.88	5.24
8/22/2000	218.42	1.2
11/1/2000	ND	15.04
2/9/2001	1488.05	4.83
5/8/2001	764.25	2.1
8/15/2001	248.74	ND
11/9/2001	ND	1.09
2/26/2002	859.38	1.61
5/28/2002	331.75	ND
8/20/2002	441.16	ND
10/29/2002	259.69	ND
2/26/2003	828.6	2.05
6/11/2003	186.42	1.78
7/22/2003	205.56	1.93
10/7/2003	175.48	ND
1/16/2004	224.08	2.08
6/22/2004	283.26	7.79
8/12/2004	150.65	2.75
11/24/2004	478.49	0.72
2/11/2005	128.03	ND
5/6/2005	200.1	ND
8/16/2005	142.19	ND
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	377.47	ND
1/30/2006	331.46	1.68
4/26/2006	66.33	0.45
7/26/2006	661.42	40.15
10/31/2006	224.72	1.53
1/8/2007	114.24	1.03
5/8/2007	ND	ND
7/30/2007	381.93	ND
12/4/2007	76.26	0.46
2/29/2008	138.73	0.57
4/23/2008	80.22	0.44
8/8/2008	136.01	1.12

NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70
4/11/1997	940	62
12/2/1997	ND	188
3/4/1998	ND	102
6/19/1998	27.52	81.82
9/25/1998	ND	27.27
12/16/1998	19.38	20.54
2/24/1999	ND	3.3
5/29/1999	ND	26.34
7/21/1999	ND	8.98
10/21/1999	ND	13.08
2/14/2000	ND	3.78
5/15/2000	ND	9.35
8/22/2000	ND	5.36
11/1/2000	ND	20.24
2/9/2001	ND	1.96
5/8/2001	ND	11.95
8/15/2001	67.42	17.8
11/9/2001	ND	5.51
2/26/2002	31.59	4.14
5/28/2002	ND	3.13
8/20/2002	ND	ND
10/29/2002	ND	2.37
2/26/2003	ND	3.64
6/11/2003	ND	ND
7/22/2003	ND	6.82
10/7/2003	13.51	4.56
1/16/2004	ND	ND
6/22/2004	ND	15.45
8/12/2004	66.83	9.66
11/24/2004	ND	ND
2/11/2005	51.21	2.88
5/6/2005	90.78	8.64
8/16/2005	ND	8.17
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	69.3	2.23
1/30/2006	73.77	2.39
4/26/2006	45.15	4.07
7/26/2006	421.11	120.71
10/31/2006	209.31	10.28
1/8/2007	81.05	3.75
5/8/2007	ND	ND
7/30/2007	71.53	ND
12/4/2007	24.36	0.62
2/29/2008	29.04	1.10
4/23/2008	49.26	1.46
8/8/2008	27.37	1.24

NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70.00
8/22/2000	ND	ND
11/1/2000	ND	ND
2/9/2001	ND	ND
5/8/2001	ND	ND
8/15/2001	ND	ND
11/9/2001	ND	ND
2/26/2002	ND	ND
5/28/2002	ND	ND
8/20/2002	ND	ND
10/29/2002	ND	ND
2/26/2003	ND	ND
6/11/2003	ND	ND
7/22/2003	ND	ND
10/7/2003	ND	ND
1/16/2004	ND	ND
6/22/2004	ND	2.98
8/12/2004	ND	2.51
11/24/2004	ND	ND
2/11/2005	ND	ND
5/6/2005	ND	ND
8/16/2005	ND	ND
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	ND	ND
1/30/2006	ND	ND
4/26/2006	ND	ND
7/26/2006	ND	2.40
10/31/2006	10.21	1.78
1/8/2007	ND	ND
5/8/2007	ND	ND
7/30/2007	ND	ND
12/4/2007	ND	ND
2/29/2008	ND	ND
4/23/2008	ND	ND
8/8/2008	ND	ND

NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70
8/22/2000	ND	ND
11/1/2000	ND	ND
2/9/2001	ND	ND
5/8/2001	ND	ND
8/15/2001	ND	ND
11/9/2001	ND	ND
2/26/2002	ND	ND
5/28/2002	ND	ND
8/20/2002	ND	ND
10/29/2002	ND	ND
2/26/2003	ND	ND
6/11/2003	ND	ND
7/22/2003	ND	ND
10/7/2003	ND	ND
1/16/2004	ND	ND
6/22/2004	ND	ND
8/12/2004	ND	ND
11/24/2004	ND	ND
2/11/2005	ND	ND
5/6/2005	ND	ND
8/16/2005	ND	ND
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	ND	ND
1/30/2006	ND	ND
4/26/2006	ND	ND
7/26/2006	ND	ND
10/31/2006	ND	ND
1/8/2007	ND	ND
5/8/2007	ND	ND
7/30/2007	ND	ND
12/4/2007	ND	ND
2/29/2008	ND	ND
4/23/2008	ND	ND
8/8/2008	ND	ND

NJDEP Criteria	TBA (ug/L) NLE	MTBE (ug/L) 70
4/11/1997	ND	ND
8/28/1997	ND	ND
12/2/1997	ND	ND
3/4/1998	ND	ND
6/1/1998	ND	ND
9/25/1998	ND	ND
12/16/1998	ND	ND
2/24/1999	ND	ND
6/8/1999	ND	ND
7/21/1999	ND	ND
10/21/1999	ND	ND
2/14/2000	ND	ND
5/15/2000	ND	ND
8/22/2000	ND	ND
11/1/2000	ND	ND
2/9/2001	ND	ND
5/8/2001	ND	ND
8/15/2001	ND	ND
11/9/2001	ND	ND
2/26/2002	ND	ND
5/28/2002	ND	ND
8/20/2002	ND	ND
10/29/2002	ND	ND
2/26/2003	ND	ND
6/11/2003	ND	ND
7/22/2003	ND	ND
10/7/2003	ND	ND
1/16/2004	ND	ND
6/22/2004	ND	ND
8/12/2004	ND	ND
11/24/2004	ND	ND
2/11/2005	ND	ND
5/6/2005	ND	ND
8/16/2005	ND	ND
NJDEP Criteria (changed 11/05)	100	70
11/17/2005	ND	ND
1/30/2006	ND	ND
4/26/2006	ND	ND
7/26/2006	ND	ND
10/31/2006	ND	ND
1/8/2007	ND	ND
5/8/2007	ND	ND
7/30/2007	ND	ND
12/4/2007	ND	ND
2/29/2008	ND	ND
4/23/2008	ND	ND
8/8/2008	ND	ND

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

- MONITORING WELL LOCATION
- 0.00 — CLEANUP STANDARD EXCEEDANCE
- MM/DD/YYYY — LOW FLOW SAMPLING EVENT
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DRAWN BY

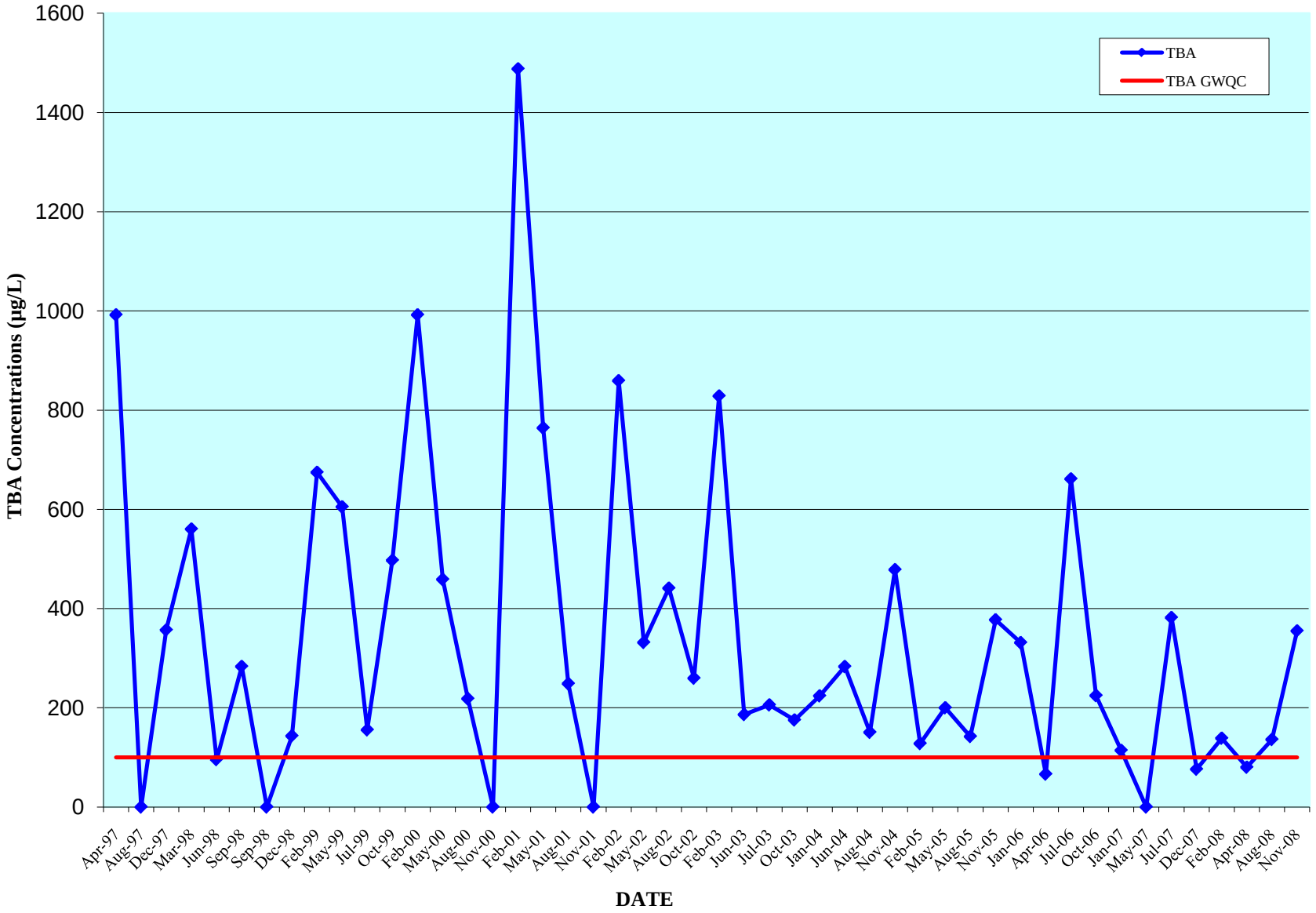
TITLE:

GROUNDWATER CONTAMINANT DISTRIBUTION BUILDING 2567 SITE FORT MONMOUTH, NEW JERSEY

US ARMY GARRISON
FORT MONMOUTH
DIRECTORATE OF PUBLIC WORKS

	DATE DRAWN: 28 JAN 10
	DATE CHECKED:
	DATE APPROVED:
	DRAWING No.:
	FILE No.:
	SCALE: 1" = 30'
	SHEET OF REV.: A

FIGURE 5-2
TBA Concentrations vs Date at 2567MW01



TABLES

Table 3-1
2567MW01 Mann-Whitney U-Test
VOCs - tert-Butyl alcohol
1st Quarter 2007 - 4th Quarter 2008
Site 2567
Fort Monmouth, New Jersey

H_o: $O_1 \leq O_2$ (null)

H_1: $O_1 > O_2$ (alternate)

Year	2007 (O_1)				2008 (O_2)			
Sampling Round	1	2	3	4	5	6	7	8
Sampling Result	114.24a	NDa	381.93a	76.26a	138.73b	80.22b	136.16b	355.01b

a.	NDa
	76.26a
	80.22b
	114.24a
	136.16b
	138.73b
	355.01b
	381.93a

a.	NDa=4	76.26a=4	114.24a=3	381.93=0	"U"=15

Conclusion: "U" is 15, therefore the null hypothesis is accepted, and it cannot be concluded, with 90 percent or greater confidence, that the concentration for *tert*-Butyl alcohol has decreased with time at 2567MW01.

Table 4-1
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

Groundwater Sampling Round			#29			#30			#31			#32			#33		
Well ID	Total Depth of Well (ft)	TOC[1]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]
2567MW01	13.1	33.93	06/22/04	4.51	29.42	08/12/04	4.11	29.82	11/24/04	3.54	30.39	02/11/05	3.29	30.64	05/06/05	3.50	30.43
2567MW02	12.2	35.26	06/22/04	4.12	31.14	08/12/04	3.85	31.41	11/24/04	3.19	32.07	02/11/05	2.70	32.56	05/06/05	3.09	32.17
2567MW03	12.5	33.81	06/22/04	3.75	30.13	08/12/04	3.61	30.27	11/24/04	2.98	30.90	02/11/05	2.45	31.43	05/06/05	2.77	31.11
2567MW04	11.66	33.51	06/22/04	3.15	30.36	08/12/04	2.80	30.71	11/24/04	2.08	31.43	02/11/05	1.67	31.84	05/06/05	2.09	31.42
2567MW05	14.75	34.99	06/22/04	5.79	29.20	08/12/04	5.23	29.76	11/24/04	6.44	28.55	02/11/05	5.79	29.20	05/06/05	6.56	28.43
2567MW06	15.74	35.10	06/22/04	7.67	27.43	08/12/04	7.46	27.64	11/24/04	6.45	28.65	02/11/05	6.11	28.99	05/06/05	6.61	28.49
2567MW07	16.5	36.34	06/22/04	7.32	29.02	08/12/04	7.10	29.24	11/24/04	6.17	30.17	02/11/05	5.88	30.46	05/06/05	6.30	30.04

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water in feet from TOC.
(3) Groundwater elevation in feet above mean sea level (msl).

Table 4-1
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

Groundwater Sampling Round			#34			#35			#36			#37			#38		
Well ID	Total Depth of Well (ft)	TOC[1]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]
2567MW01	13.1	33.93	08/16/05	5.01	28.92	11/17/05	3.49	30.44	01/30/06	3.30	30.63	04/26/06	3.43	30.50	07/26/06	4.25	29.68
2567MW02	12.2	35.26	08/16/05	4.58	30.68	11/17/05	3.49	31.77	01/30/06	3.02	32.24	04/26/06	3.09	32.17	07/26/06	3.94	31.32
2567MW03	12.5	33.81	08/16/05	4.30	29.58	11/17/05	2.98	30.83	01/30/06	2.74	31.07	04/26/06	2.85	30.96	07/26/06	3.62	30.19
2567MW04	11.66	33.51	08/16/05	3.51	30.00	11/17/05	1.93	31.58	01/30/06	2.02	31.49	04/26/06	1.99	31.52	07/26/06	2.76	30.75
2567MW05	14.75	34.99	08/16/05	7.91	27.08	11/17/05	5.62	29.37	01/30/06	6.03	28.96	04/26/06	5.81	29.18	07/26/06	7.38	27.61
2567MW06	15.74	35.10	08/16/05	8.13	26.97	11/17/05	6.29	28.81	01/30/06	6.56	28.54	04/26/06	6.45	28.65	07/26/06	7.32	27.78
2567MW07	16.5	36.34	08/16/05	7.73	28.61	11/17/05	6.15	30.19	01/30/06	6.30	30.04	04/26/06	6.30	30.04	07/26/06	7.02	29.32

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water in feet from TOC.
(3) Groundwater elevation in feet above mean sea level (msl).

Table 4-1
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

Groundwater Sampling Round			#39			#40			#41			#42			#43		
Well ID	Total Depth of Well (ft)	TOC[1]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]
2567MW01	13.1	33.93	10/31/06	3.47	30.46	01/18/07	3.47	30.46	05/08/07	3.58	30.35	07/30/07	3.45	30.48	12/04/07	3.46	30.47
2567MW02	12.2	35.26	10/31/06	3.07	32.19	01/18/07	3.11	32.15	05/08/07	3.35	31.91	07/30/07	3.75	31.51	12/04/07	3.17	32.09
2567MW03	12.5	33.81	10/31/06	2.68	31.13	01/18/07	2.76	31.05	05/08/07	2.85	30.96	07/30/07	2.88	30.93	12/04/07	2.77	31.04
2567MW04	11.66	33.51	10/31/06	1.85	31.66	01/18/07	2.11	31.40	05/08/07	2.37	31.14	07/30/07	1.93	31.58	12/04/07	1.87	31.64
2567MW05	14.75	34.99	10/31/06	6.97	28.02	01/18/07	6.57	28.42	05/08/07	6.93	28.06	07/30/07	5.84	29.15	12/04/07	6.33	28.66
2567MW06	15.74	35.10	10/31/06	6.40	28.70	01/18/07	6.49	28.61	05/08/07	6.58	28.52	07/30/07	6.35	28.75	12/04/07	6.27	28.83
2567MW07	16.5	36.34	10/31/06	6.37	29.97	01/18/07	6.21	30.13	05/08/07	6.34	30.00	07/30/07	6.11	30.23	12/04/07	6.08	30.26

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water in feet from TOC.
(3) Groundwater elevation in feet above mean sea level (msl).

Table 4-1
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

Groundwater Sampling Round			#44			#45			#46			#47		
Well ID	Total Depth of Well (ft)	TOC[1]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]	Date	Depth to Water[2]	Groundwater Elevation[3]
2567MW01	13.1	33.93	02/29/08	3.13	30.80	04/23/08	3.70	30.23	08/08/08	4.79	29.14	11/04/08	3.92	30.01
2567MW02	12.2	35.26	02/29/08	2.95	32.31	04/23/08	3.53	31.73	08/08/08	4.40	30.86	11/04/08	3.78	31.48
2567MW03	12.5	33.81	02/29/08	2.64	31.17	04/23/08	2.97	30.84	08/08/08	4.06	29.75	11/04/08	3.20	30.61
2567MW04	11.66	33.51	02/29/08	2.01	31.50	04/23/08	2.41	31.10	08/08/08	3.37	30.14	11/04/08	2.44	31.07
2567MW05	14.75	34.99	02/29/08	6.53	28.46	04/23/08	7.02	27.97	08/08/08	7.76	27.23	11/04/08	7.09	27.90
2567MW06	15.74	35.10	02/29/08	6.22	28.88	04/23/08	6.57	28.53	08/08/08	8.00	27.10	11/04/08	6.77	28.33
2567MW07	16.5	36.34	02/29/08	6.18	30.16	04/23/08	6.32	30.02	08/08/08	7.48	28.86	11/04/08	6.45	29.89

Notes:
(1) Elevation of survey mark at top of casing (TOC).
(2) Depth to water in feet from TOC.
(3) Groundwater elevation in feet above mean sea level (msl).

Table 4-2
Groundwater Sampling Summary
Site 2567
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#29	2567MW01	4048101	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
	2567MW02	4048102	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
	2567MW03	4048103	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
	2567MW04	4048104	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
	2567MW05	4048105	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
	2567MW06	4048106	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
	2567MW07	4048107	6/22/2004	Aqueous	VOCs, Metals, Lead	Methods 624, Methods 3120B, 3112B (mercury) and 3113B (Lead)
#30	2567MW01	4059304	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW02	4059305	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW03	4059306	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW04	4059307	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW05	4059308	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW06	4059309	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW07	4059310	8/12/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
#31	2567MW01	4080704	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW02	4080705	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW03	4080706	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW04	4080707	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW05	4080708	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW06	4080709	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW07	4080710	11/24/2004	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
#32	2567MW01	5008404	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW02	5008405	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW03	5008406	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW04	5008407	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW05	5008408	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW06	5008409	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW07	5008410	2/11/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B

Notes:
VOCs = Volatile Organic Compounds.
Metals = Target Analyte List Metals.

Table 4-2
Groundwater Sampling Summary
Site 2567
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#33	2567MW01	5024404	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW02	5024405	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW03	5024406	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW04	5024407	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW05	5024408	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW06	5024409	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW07	5024410	5/6/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
#34	2567MW01	5040404	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW02	5040405	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW03	5040406	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW04	5040407	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW05	5040408	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW06	5040409	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW07	5040410	8/16/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
#35	2567MW01	5060204	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW02	5060205	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW03	5060206	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW04	5060207	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW05	5060208	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW06	5060209	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
	2567MW07	5060210	11/17/2005	Aqueous	VOCs, Lead	Methods 624, Methods 3113B
#36	2567MW01	6006604	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	6006605	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	6006606	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	6006607	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	6006608	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	6006609	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	6006610	1/30/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B

Notes:
VOCs = Volatile Organic Compounds.
Metals = Target Analyte List Metals.

Table 4-2
Groundwater Sampling Summary
Site 2567
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#37	2567MW01	6017704	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	6017705	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	6017706	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	6017707	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	6017708	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	6017709	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	6017710	4/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#38	2567MW01	6034004	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	6034005	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	6034006	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	6034007	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	6034008	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	6034009	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	6034010	7/26/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#39	2567MW01	6047304	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	6047305	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	6047306	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	6047307	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	6047308	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	6047309	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	6047310	10/31/2006	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#40	2567MW01	7002104	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	7002105	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	7002106	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	7002107	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	7002108	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	7002109	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	7002110	1/18/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B

Notes:
VOCs = Volatile Organic Compounds.
Metals = Target Analyte List Metals.

Table 4-2
Groundwater Sampling Summary
Site 2567
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#41	2567MW01	7016404	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	7016405	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	7016406	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	7016407	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	7016408	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	7016409	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	7016410	5/8/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#42	2567MW01	7028504	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	7028505	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	7028506	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	7028507	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	7028508	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	7028509	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	7028510	7/30/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#43	2567MW01	7050404	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	7050405	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	7050406	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	7050407	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	7050408	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	7050409	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	7050410	12/4/2007	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#44	2567MW01	8006304	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	8006305	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	8006306	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	8006307	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	8006308	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	8006309	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	8006310	2/29/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B

Notes:
VOCs = Volatile Organic Compounds.
Metals = Target Analyte List Metals.

Table 4-2
Groundwater Sampling Summary
Site 2567
Fort Monmouth, New Jersey

Round	Field Sample ID	Lab Sample ID	Date Collected	Matrix	Analytical Parameters	Analytical Methods
#45	2567MW01	8013604	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	8013605	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	8013606	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	8013607	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	8013608	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	8013609	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	8013610	4/23/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#46	2567MW01	8028704	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	8028705	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	8028706	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	8028707	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	8028708	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	8028709	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	8028710	8/8/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
#47	2567MW01	8040104	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW02	8040105	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW03	8040106	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW04	8040107	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW05	8040108	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW06	8040109	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B
	2567MW07	8040110	11/4/2008	Aqueous	VOCs, Lead	Methods 624, Method 3120B

Notes:
VOCs = Volatile Organic Compounds.
Metals = Target Analyte List Metals.

Table 5-1
Groundwater Sampling Results
Site 2567 MW01 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	1	2	3	4	5	6	6	7	7	8	9
WELL ID			2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01
Date Collected			04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/24/98	09/24/98	12/16/98	12/16/98	02/24/99	05/29/99
ANALYTE / Lab ID			2446.06	2940.07	3188.06	3381.03	3605.03	3912.05	3912.05	4144.03	4144.08	4296.03	4524.03
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	**31.84**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether	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	2.16	ND	ND	ND	ND
MTBE (1)	70	µg/L	ND	195.64	20.29	43.07	24.23	10.02	ND	3.43	3.62	12.98	9.16
tert -Butyl Alcohol (TBA)	NLE	µg/L	ND	ND	356.86	560.32	95.63	283.31	ND	143.26	160.21	674.65	605.10
Toluene	1000	µg/L	ND	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	32.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	88.0	**496.0**	ND	38.0	ND	40.0	54.0	ND	ND	ND	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	1.25	ND	NA	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	300	µg/L	NA	NA	0.95	ND	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	3.82	ND	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	µg/L	NA	NA	0.93	ND	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	20	µg/L	NA	NA	0.69	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	**291.0**	20.0	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	356.7	367.1	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	1.8	3.0	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	40.0	23.0	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	1.8	1.4	7.0	ND	0.5	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	0.4	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	2.4	2.90	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-1
Groundwater Sampling Results
Site 2567 MW01 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	9	10	11	12	12	13	14	15	15	16	17
WELL ID			MW01 Duplicate	2567-MW01	2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01
Date Collected			05/29/99	07/21/99	10/21/99	02/14/00	02/14/00	05/15/00	08/22/00	11/01/00	11/01/00	02/09/01	05/08/01
ANALYTE / Lab ID			4524.08	4635.03	4872.01	5167.04	5167.03	5417.01	5647.04	5825.04	5825.03	710.00	16107.04
VOCs													
Acetone	700	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
Di-isopropyl ether	NLE	µg/L	ND	ND	ND	3.66	2.36	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE (1)	70	µg/L	9.67	3.33	4.8	12.05	7.56	5.24	1.20	15.04	15.33	4.83	2.1
tert -Butyl Alcohol (TBA)	NLE	µg/L	627.95	155.56	497.3	992.19	933.91	458.88	218.42	ND	ND	1488.05	764.25
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	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	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	20	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	NA	ND	1.3	1.31	1.17	ND	ND	ND	ND	ND	0.93
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-1
Groundwater Sampling Results
Site 2567 MW01 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	18	18	19	20	21	22	23	24	25	26	27
WELL ID			2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01	2567-MW01
Date Collected			08/15/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03
ANALYTE / Lab ID			16356.04	16356.03	16573.04	20112.04	20331.04	20585.04	20762.04	30083.04	30283.04	30397.04	30634.04
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	4.50	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether	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
MTBE [(1)]	70	µg/L	ND	1.54	1.09	1.61	ND	ND	ND	2.05	1.78 J	1.93 J	ND
tert -Butyl Alcohol (TBA)	NLE	µg/L	248.74	457.64	ND	859.38	331.75	441.16	259.69	828.60	186.42	205.86	175.48
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	20	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	ND	ND	ND	ND	ND	ND	1.22	1.4	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-1
Groundwater Sampling Results
Site 2567 MW01 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	28	28	29	30	31	31	32	32	33	33	34
WELL ID			2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01
Date Collected			01/16/04	01/16/04	06/22/04	08/12/04	11/24/04	11/24/04	02/11/05	02/11/05	05/06/05	05/06/05	08/16/05
ANALYTE / Lab ID			40043.04	40043.03	40481.01	40593.04	40807.04	40807.03	50084.04	50084.03	50244.04	50244.03	50404.04
VOCs													
Acetone	700	µg/L	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether	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
MTBE [(1)]	70	µg/L	2.08	2.03	7.79	2.75	0.72 J	0.78 J	ND	ND	ND	ND	ND
tert -Butyl Alcohol (TBA)	NLE	µg/L	224.08	213.56	283.26	150.65	478.49	534.62	128.03	104.0	200.1	249.58	142.19
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	4.0	4.0	ND	ND	ND	ND	ND	ND	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	20	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-1
Groundwater Sampling Results
Site 2567 MW01 (May05- May07))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	35	36	36	37	38	38	39	39	40	40	41	41
WELL ID			2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate
Date Collected			11/17/05	01/30/06	01/30/06	04/26/06	07/26/06	07/26/06	10/31/06	10/31/06	01/18/07	01/18/07	05/08/07	05/08/07
ANALYTE / Lab ID			50602.04	60066.04	60066.03	60177.04	60340.04	60340.03	60473.04	60473.03	70021.04	70021.03	70164.04	70164.03
VOCs														
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether	20000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	1.68 J	1.38 J	0.45 J	59.75	66.17	1.53 J	1.24 J	1.03 J	0.92 J	ND	ND
tert -Butyl Alcohol (TBA)	100	µg/L	**377.47**	**331.46**	**439.19**	66.33	**661.42**	**732.51**	**224.72**	**196.65**	**114.24**	ND	ND	ND
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	10.0	8.00	8.00	ND	5.00	5.00	ND	ND	ND	ND	ND	5.00
Metals														
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	ND	ND	ND	1.16 ER	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-1
Groundwater Sampling Results
Site 2567 MW01 (July07-March09)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	42	42	43	43	44	45	45	46	46	47	47
WELL ID			2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate	2567-MW01	MW01 Duplicate
Date Collected			07/30/07	07/30/07	12/04/07	12/04/07	02/29/08	04/23/08	04/23/08	08/08/08	08/08/08	11/04/08	11/04/08
ANALYTE / Lab ID			70285.04	70285.03	70504.04	70504.03	80063.04	80136.04	80136.03	80287.04	80287.03	80401.04	80401.03
VOCs													
Acetone	6000	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
Di-isopropyl ether	20000	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
MTBE	70	µg/L	ND	ND	0.46 J	0.24 J	0.57 J	0.44 J	0.44 J	1.12 J	1.19 J	0.71 J	0.75 J
tert -Butyl Alcohol (TBA)	100	µg/L	**381.93**	**414.03**	76.26	56.34	**138.73**	80.22	50.57	**136.16**	**134.66**	**355.01**	**359.60**
Toluene	600	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	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	3.00	ND	ND
Metals													
Barium	6000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-2
Groundwater Sampling Results
Site 2567 MW02 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02
Date Collected			04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/24/98	12/16/98	02/24/99	05/29/99	07/21/99	10/21/99
ANALYTE / Lab ID			2446.05	2940.04	3188.03	3381.04	3605.04	3912.04	4144.04	4296.04	4524.04	4635.04	4872.02
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
Chloroform	6	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
TICs*	500	µg/L	ND	ND	ND	ND	ND	13.0	ND	ND	ND	ND	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	ND	6.98	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	1.08	ND	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	4.79	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	**290.0**	ND	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	796.2	188.9	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	1.70	1.9	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	8.0	23.0	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	**10.7**	ND	**20.0**	8.0	1.4	ND	ND	ND	ND	ND	1.2
Mercury	2	µg/L	NA	NA	0.4	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	3.9	2.5	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-2
Groundwater Sampling Results
Site 2567 MW02 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	12	13	14	15	16	17	18	19	19	20	21
WELL ID			2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	MW02 Duplicate	2567-MW2	2567-MW02
Date Collected			02/14/00	05/15/00	08/22/00	11/01/00	02/09/01	05/08/01	08/15/01	11/09/01	11/09/01	02/26/02	05/28/02
ANALYTE / Lab ID			5167.05	5417.02	5647.05	5825.05	711.00	16107.05	16356.05	16573.05	16573.03	20112.05	20331.05
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	2.25	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	5.99	ND	ND	3.31	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	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
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.0	5.0
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	1.49	ND	ND	ND	ND	1.02	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-2
Groundwater Sampling Results
Site 2567 MW02 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	21	22	23	24	25	26	27	28	29	30	31
WELL ID			MW2 Duplicate	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02
Date Collected			05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04	06/22/04	08/12/04	11/24/04
ANALYTE / Lab ID			20331.03	20585.05	20762.05	30083.05	30283.05	30397.05	30634.05	40043.05	40481.02	40593.05	40807.06
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	4.19	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NLE	µg/L	ND	1.94	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	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
TICs*	500	µg/L	4.0	4.0	6.0	5.0	ND	ND	16.0	ND	ND	8.0	3.0
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	ND	ND	2.47	ND	ND	5.2	0.831 ER	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-2
Groundwater Sampling Results
Site 2567 MW02 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	32	33	34
WELL ID			2567-MW02	2567-MW02	2567-MW02
Date Collected			02/11/05	05/06/05	08/16/05
ANALYTE / Lab ID			50084.05	50244.05	50404.05
VOCs					
2-Butanone	300	µg/L	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND
Carbon Disulfide	NLE	µg/L	ND	ND	ND
Chloroform	6	µg/L	ND	0.72 J	ND
Methylene Chloride	3	µg/L	ND	ND	ND
TICs*	500	µg/L	ND	13.0	3.0
SVOCs					
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA
Metals					
Barium	2000	µg/L	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA
Lead	10	µg/L	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-2
Groundwater Sampling Results
Site 2567 MW02 (Nov05-May07)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	35	36	37	37	38	39	40	41
WELL ID			2567-MW02	2567-MW02	2567-MW02	MW02 Duplicate	2567-MW02	2567-MW02	2567-MW02	2567-MW02
Date Collected			11/17/05	01/30/06	04/26/06	04/26/06	07/26/06	10/31/06	01/18/07	05/08/07
ANALYTE / Lab ID			50602.05	60066.05	60177.05	60177.03	60340.05	60473.05	70021.05	70164.05
VOCs										
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	0.51 J	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	13.0	13.0	ND	ND	ND	ND	ND	ND
Metals										
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-2
Groundwater Sampling Results
Site 2567 MW02 (July07-March09)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	42	43	44	45	46	47
WELL ID			2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02	2567-MW02
Date Collected			07/30/07	12/04/07	02/29/08	04/23/08	08/08/08	11/04/08
ANALYTE / Lab ID			70285.05	70504.05	80063.05	80136.05	80287.05	80401.05
VOCs								
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND
Carbon Disulfide	700	µg/L	ND	ND	ND	ND	ND	ND
Chloroform	70	µg/L	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	9.0	ND	ND	8.0	15.0
Metals								
Barium	6000	µg/L	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	ND	ND	ND	1.35 ER	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-3
Groundwater Sampling Results
Site 2567 MW03 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	1	2	3	4	5	6	7	8	8	9	10
WELL ID			2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	MW03 Duplicate	2567-MW03	2567-MW03
Date Collected			04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/24/98	12/16/98	02/24/99	02/24/99	05/29/99	07/21/99
ANALYTE / Lab ID			2446.07	2940.06	3188.07	3381.05	3605.05	3916.02	4144.05	4296.05	4296.08	4524.05	4635.05
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
Benzene	1	µg/L	ND	ND	**4.31**	**18.71**	**4.68**	**5.96**	**15.45**	**1.03**	**1.17**	**1.70**	ND
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.04	ND
Methylene Chloride	3	µg/L	ND	**25.17**	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE [(1)]	70	µg/L	ND	41.68	188.28	102.09	81.82	27.27	20.54	3.30	3.78	26.34	8.98
tert -Butyl Alcohol (TBA)	NLE	µg/L	ND	696.26	ND	ND	27.52	ND	19.38	ND	ND	ND	ND
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	ND	ND	8.64	ND	3.62	3.67	ND	ND	1.29	ND
TICs*	500	µg/L	46.0	ND	30.0	**362.0**	57.0	ND	269.0	ND	ND	96.0	34.0
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	ND	1.29	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	3.89	ND	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	1.92	1.67	NA	NA	NA	NA	NA	NA	NA
Pyridine	NLE	µg/L	NA	NA	84.52	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	**262.0**	37.0	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	212.1	356.5	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	1.5	3.8	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	79.0	22.0	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	2.50	ND	**10.0**	ND	ND	ND	ND	1.00	0.90	ND	ND
Mercury	2	µg/L	NA	NA	0.4	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	2.0	1.7	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-3
Groundwater Sampling Results
Site 2567 MW03 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	10	11	12	13	14	15	16	17	18	19	20
WELL ID			MW03 Duplicate	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03
Date Collected			07/21/99	10/21/99	02/14/00	05/15/00	08/22/00	11/01/00	02/09/01	05/08/01	08/15/01	11/09/01	02/26/02
ANALYTE / Lab ID			4635.08	4872.03	5167.06	5417.03	5647.06	5825.06	712.00	16107.06	16356.06	16573.06	20112.06
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	31.95	ND	ND
Acetone	700	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
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
MTBE (1)	70	µg/L	9.14	13.08	3.78	9.35	5.36	20.24	1.96	11.95	17.80	5.51	4.14
tert -Butyl Alcohol (TBA)	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	67.42	ND	31.59
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	58.0	64.0	ND	26.0	22.0	**477.0**	ND	153.0	**379.0**	198.0	177.0
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	NLE	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	ND	1.30	1.22	ND	ND	ND	ND	0.96	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-3
Groundwater Sampling Results
Site 2567 MW03 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	21	22	23	24	25	26	26	27	28	29	30
WELL ID			2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	MW03 Duplicate	2567-MW03	2567-MW03	2567-MW03	2567-MW03
Date Collected			05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	07/22/03	10/07/03	01/16/04	06/22/04	08/12/04
ANALYTE / Lab ID			20331.06	20585.06	20762.06	30083.06	30283.06	30397.06	30397.03	30634.06	40043.06	40481.03	40593.06
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	2.97	ND	ND	ND	ND	ND	ND	ND
Benzene	1	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
MTBE (1)	70	µg/L	3.13	ND	2.37	3.64	ND	6.82	5.30	4.56	ND	15.45	9.66
tert -Butyl Alcohol (TBA)	NLE	µg/L	ND	ND	ND	ND	ND	ND	ND	13.51	ND	ND	66.83
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	0.38 J
Total Xylenes	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	1.38 J	ND	1.66 J	1.61 J
TICs*	500	µg/L	67.0	70.0	280.0	95.0	ND	218.0	149.0	208.0	ND	279.0	252.0
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	NLE	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	ND	ND	ND	ND	ND	0.983 ER	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-3
Groundwater Sampling Results
Site 2567 MW03 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	30	31	32	33	34	34
WELL ID			MW03 Duplicate	2567-MW03	2567-MW03	2567-MW03	2567-MW03	MW03 Duplicate
Date Collected			08/12/04	11/24/04	02/11/05	05/06/05	08/16/05	08/16/05
ANALYTE / Lab ID			40593.03	40807.06	50084.06	50244.06	50404.06	50404.03
VOCs								
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	0.32 J	0.32 J
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	ND	ND	ND	ND	ND
MTBE (1)	70	µg/L	9.67	ND	2.88	8.64	8.17	7.58
tert -Butyl Alcohol (TBA)	NLE	µg/L	60.68	ND	51.21	90.78	ND	ND
Toluene	1000	µg/L	0.37 J	ND	ND	ND	0.36 J	0.36 J
Total Xylenes	1000	µg/L	1.65 J	ND	ND	ND	2.06 J	2.0 J
TICs*	500	µg/L	248.0	8.0	40.0	17.0	315.0	302.0
SVOCs								
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA
Naphthalene	NLE	µg/L	NA	NA	NA	NA	NA	NA
Pyridine	NLE	µg/L	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA
Metals								
Barium	2000	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	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

(1) NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-3
Groundwater Sampling Results
Site 2567 MW03 (Nov05-May07)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	35	35	36	37	38	39	40	41
WELL ID			2567-MW03	MW03 Duplicate	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03
Date Collected			11/17/05	11/17/05	01/30/06	04/26/06	07/26/06	10/31/06	01/18/07	05/08/07
ANALYTE / Lab ID			50602.06	50602.03	60066.06	60177.06	60340.06	60473.06	70021.06	70164.06
VOCs										
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	0.14 J	ND	ND
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	2.23	2.15	2.39	4.07	**120.71**	10.28	3.75	1.42 J
tert -Butyl Alcohol (TBA)	100	µg/L	69.30	67.48	73.77	45.15	**421.11**	**209.31**	81.05	**107.30**
Toluene	1000	µg/L	ND	ND	ND	ND	ND	0.19 J	ND	ND
Total Xylenes	1000	µg/L	ND	ND	ND	ND	ND	0.79 J	0.69 J	4.13
TICs*	500	µg/L	22.0	19.0	119.0	113.0	64.0	132.0	207.0	136.0
Metals										
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-3
Groundwater Sampling Results
Site 2567 MW03 (July07-March09)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	42	43	44	45	46	47
WELL ID			2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03	2567-MW03
Date Collected			07/30/07	12/04/07	02/29/08	04/23/08	08/08/08	11/04/08
ANALYTE / Lab ID			70285.06	70504.06	80063.06	80136.06	80287.06	80401.06
VOCs								
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	0.14 J	ND	ND	ND	0.21 J
Ethylbenzene	700	µg/L	ND	ND	ND	ND	ND	ND
Methylene Chloride	3	µg/L	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	0.62 J	1.1 J	1.46 J	1.24 J	0.92 J
tert -Butyl Alcohol (TBA)	100	µg/L	71.53	24.36	29.04	49.26	27.37	ND
Toluene	600	µg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	µg/L	ND	0.46 J	ND	0.92 J	1.51 J	0.84 J
TICs*	500	µg/L	ND	53.0	73.0	160.0	441.0	128.0
Metals								
Barium	6000	µg/L	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	0.78 ER	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Total Xylenes= ∑ of *o* -Xylene and *m,p* -Xylene.

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-4
Groundwater Sampling Results
Site 2567 MW04 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	1	2	3	4	5	5	6	7	8	9	10
WELL ID			2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	MW04 Duplicate	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04
Date Collected			04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	06/01/98	09/24/98	12/16/98	02/24/99	05/29/99	07/21/99
ANALYTE / Lab ID			2446.03	2940.05	3188.04	3381.06	3605.06	3605.08	3912.03	4144.06	4296.06	4524.06	4635.06
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
MTBE [(1)]	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	7.0	36.0	ND	ND	11.0	ND	ND	ND	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	ND	1.03	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	1.37	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	**350.0**	ND	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	156.0	103.9	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	ND	2.2	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	9.0	1.5	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	14.0	11.0	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	2.30	ND	9.0	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	0.3	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	4.8	10.8	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-4
Groundwater Sampling Results
Site 2567 MW04 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	11	12	13	13	14	14	15	16	16	17	17
WELL ID			2567-MW04	2567-MW04	2567-MW04	MW04 Duplicate	2567-MW04	MW04 Duplicate	2567-MW04	2567-MW04	MW04 Duplicate	2567-MW04	MW04 Duplicate
Date Collected			10/21/99	02/14/00	05/15/00	05/15/00	08/22/00	08/22/00	11/01/00	02/09/01	02/09/01	05/08/01	05/08/01
ANALYTE / Lab ID			4872.04	5167.07	5417.04	5417.08	5647.07	5647.03	5825.07	713.00	709.00	16107.07	16107.03
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.88	ND
Acetone	700	µg/L	ND	ND	ND	ND	3.57	ND	ND	ND	ND	4.54	ND
MTBE [(1)]	70	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	1.2	1.4	ND	ND	ND	ND	ND	ND	ND	ND	1.26
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-4
Groundwater Sampling Results
Site 2567 MW04 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	18	19	20	21	22	22	23	23	24	25	25
WELL ID			2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	MW04 Duplicate	2567-MW04	MW04 Duplicate	2567-MW04	2567-MW04	MW04 Duplicate
Date Collected			08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	08/20/02	10/28/02	10/28/02	02/26/03	06/11/03	06/11/03
ANALYTE / Lab ID			16356.07	16573.07	20112.07	20331.07	20585.07	20585.03	20762.07	20762.03	30083.07	30283.07	30283.03
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
MTBE [(1)]	70	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	2.2	ND	ND	ND	ND	ND	ND	1.7	ND	2.26	1.64
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-4
Groundwater Sampling Results
Site 2567 MW04 (April97-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	26	26	27	27	28	29	30	31	32	33	34
WELL ID			2567-MW04	MW4 Duplicate	2567-MW04	MW04 Duplicate	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04
Date Collected			07/22/03	07/22/03	10/07/03	10/07/03	01/16/04	06/22/04	08/12/04	11/24/04	02/11/05	05/06/05	08/16/05
ANALYTE / Lab ID			30397.07	30397.03	30634.07	30634.03	40043.07	40481.04	40593.07	40807.07	50084.07	50244.07	50404.07
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
MTBE [(1)]	70	µg/L	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	149.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs													
bis(2-Ethylhexyl)phthalate	30	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	1.22 ER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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)

[(1)] NLE until 10/21/99

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-4
Groundwater Sampling Results
Site 2567 MW04 (Nov05-May07)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	35	36	37	38	39	40	41
WELL ID			2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04
Date Collected			11/17/05	01/30/06	04/26/06	07/26/06	10/31/06	01/18/07	05/08/07
ANALYTE / Lab ID			50602.07	60066.07	60177.07	60340.07	60473.07	70021.06	70164.07
VOCs									
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	11.0	8.00	ND	ND	ND	ND	ND
Metals									
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	**8.84**	ND	2.91 ER	ND	ND	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-4
Groundwater Sampling Results
Site 2567 MW04 (July07-March09)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	42	43	44	45	46	47
WELL ID			2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04	2567-MW04
Date Collected			07/30/07	12/04/07	02/29/08	04/23/08	08/08/08	11/04/08
ANALYTE / Lab ID			70285.07	70504.07	80063.07	80136.07	80287.07	80401.07
VOCs								
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND
Metals								
Barium	6000	µg/L	NA	NA	NA	NA	NA	NA
Cadmium	4	µg/L	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	2.04 ER	ND	ND	NA	ND	ND
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-5
Groundwater Sampling Results
Site 2567 MW05 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	1	2	3	4	5	6	7	8	9	10	11
WELL ID			2567-MW5	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05
Date Collected			04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/25/98	12/16/98	02/24/99	06/08/99	07/21/99	10/21/99
ANALYTE / Lab ID			2446.04	2940.03	3188.05	3381.08	3605.07	3916.03	4144.07	4296.07	4535.01	4635.07	4872.05
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
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	15.0	20.0	ND	14.0	ND	ND	ND	ND	ND	ND	ND
SVOCs													
Di-n-butylphthalate	900	µg/L	NA	NA	1.29	ND	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	**343.0**	ND	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	93.1	58.9	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	1.3	ND	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	5.5	ND	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	14.0	13.4	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	2.7	ND	7.0	ND	ND	ND	ND	1.0	ND	ND	4.40
Mercury	2	µg/L	NA	NA	0.4	ND	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	6.5	3.4	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-5
Groundwater Sampling Results
Site 2567 MW05 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	12	13	14	15	16	17	18	19	20	21	22
WELL ID			2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05
Date Collected			02/14/00	05/15/00	08/22/00	11/01/00	02/09/01	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02
ANALYTE / Lab ID			5167.08	5417.05	5647.08	5825.08	714.00	16107.08	16356.08	16573.08	20112.08	20331.08	20585.08
VOCs													
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	2.54	ND	ND	ND	ND	ND
Acetone	700	µg/L	ND	ND	ND	ND	ND	4.35	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	ND
SVOCs													
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	1.21	ND	1.6	2.4	ND	4.53	8.4	9.7	6.5	3.6	**32.3**
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-5
Groundwater Sampling Results
Site 2567 MW05 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	23	24	25	26	27	28	29	30	31	32	33
WELL ID			2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05
Date Collected			10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04	06/22/04	08/12/04	11/24/04	02/11/05	05/06/05
ANALYTE / Lab ID			20762.08	30083.08	30283.08	30397.08	30634.08	40043.08	40481.05	40593.08	40807.08	50084.08	50246.04
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
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	ND
SVOCs													
Di-n-butylphthalate	900	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TICs*	500	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals													
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	20	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1000	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	10	µg/L	**49.5**	**3.57**	**43.9**	**22.1**	**22.1**	ND	ND	ND	**22.4**	**11.5**	**27.9**
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-5
Groundwater Sampling Results
Site 2567 MW05 (April97-Aug05))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	33	34
WELL ID			MW05 Duplicate	2567-MW05
Date Collected			05/06/05	08/16/05
ANALYTE / Lab ID			50246.03	50404.08
VOCs				
2-Butanone	300	µg/L	ND	ND
Acetone	700	µg/L	ND	ND
Toluene	1000	µg/L	ND	ND
TICs*	500	µg/L	ND	ND
SVOCs				
Di-n-butylphthalate	900	µg/L	NA	NA
TICs*	500	µg/L	NA	NA
Metals				
Barium	2000	µg/L	NA	NA
Beryllium	20	µg/L	NA	NA
Chromium	100	µg/L	NA	NA
Copper	1000	µg/L	NA	NA
Lead	10	µg/L	**34.5**	**14.0**
Mercury	2	µg/L	NA	NA
Nickel	100	µg/L	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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 observed greater than the MDL and less than the RL.

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-5
Groundwater Sampling Results
Site 2567 MW05 (Nov05-May07))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	35	36	37	38	39	40	41
WELL ID			2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05
Date Collected			11/17/05	01/30/06	04/26/06	07/26/06	10/31/06	01/18/07	05/08/07
ANALYTE / Lab ID			50602.08	60066.08	60177.08	60340.08	60473.08	70021.08	70164.08
VOCs									
2-Butanone	300	µg/L	ND	ND	ND	ND	ND	ND	ND
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	µg/L	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	11.0	8.00	ND	ND	ND	ND	ND
Metals									
Barium	2000	µg/L	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	µg/L	NA	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	**11.2**	**8.76**	**6.52**	1.58 ER	1.6 ER	**6.36**	**8.47**
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-5
Groundwater Sampling Results
Site 2567 MW05 (July07-March09))
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	42	43	44	45	46	47
WELL ID			2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05	2567-MW05
Date Collected			07/30/07	12/04/07	02/29/08	04/23/08	08/08/08	11/04/08
ANALYTE / Lab ID			70285.08	70504.08	80063.08	80136.08	80287.08	80401.08
VOCs								
2-Butanone	300	µg/L	ND	ND	ND	ND	42.96	ND
Acetone	6000	µg/L	ND	1.41 J	ND	ND	12.42	ND
Toluene	600	µg/L	ND	ND	ND	ND	217.80	ND
TICs*	500	µg/L	ND	ND	ND	ND	10.0	ND
Metals								
Barium	6000	µg/L	NA	NA	NA	NA	NA	NA
Beryllium	1	µg/L	NA	NA	NA	NA	NA	NA
Chromium	70	µg/L	NA	NA	NA	NA	NA	NA
Copper	1300	µg/L	NA	NA	NA	NA	NA	NA
Lead	5	µg/L	**11.0**	**5.32**	3.24 ER	**8.12**	**25.6**	**8.21**
Mercury	2	µg/L	NA	NA	NA	NA	NA	NA
Nickel	100	µg/L	NA	NA	NA	NA	NA	NA

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

J-Estimated Concentration observed greater than the MDL and less than the RL.

NA-Not Analyzed

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-6
Groundwater Sampling Results
Site 2567 MW06 (Aug00-Feb05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	14	15	16	17	18	19	20	20	21	22	23
WELL ID			2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	MW06 Duplicate	2567-MW06	2567-MW06	2567-MW06
Date Collected			08/22/00	11/01/00	02/09/01	05/08/01	08/15/01	11/09/01	02/26/02	02/26/02	05/28/02	08/20/02	10/28/02
ANALYTE / Lab ID			5647.09	5825.09	715.00	16107.09	16356.09	16573.09	20112.09	20112.03	20331.09	20585.09	20762.09
VOCs													
Acetone	700	µg/L	4.02	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
Metals													
Lead	10	µg/L	ND	ND	ND	1.48	ND	ND	ND	ND	ND	1.32	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-6
Groundwater Sampling Results
Site 2567 MW06 (Aug00-Feb05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	24	25	26	27	28	29	30	31	32
WELL ID			2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06
Date Collected			02/26/03	06/11/03	07/22/03	10/07/03	01/16/04	06/22/04	08/12/04	11/24/04	02/11/05
ANALYTE / Lab ID			30083.09	30283.09	30397.09	30634.09	40043.09	40481.06	40593.09	40807.09	50084.09
VOCs											
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals											
Lead	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-6
Groundwater Sampling Results
Site 2567 MW06 (May05-Nov05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	33	34	35
WELL ID			2567-MW06	2567-MW06	2567-MW06
Date Collected			05/06/05	08/16/05	11/17/05
ANALYTE / Lab ID			50244.08	50404.09	50602.09
VOCs					
Acetone	6000	µg/L	ND	ND	ND
TICs*	500	µg/L	ND	ND	12.0
Metals					
Lead	5	µg/L	**22.4**	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-6
Groundwater Sampling Results
Site 2567 MW06 (Jan06-Nov08)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	36	37	38	39	40	40	41	42	43	44	45
WELL ID			2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06	MW06 Duplicate	2567-MW06	2567-MW06	2567-MW06	2567-MW06	2567-MW06
Date Collected			01/30/06	04/26/06	07/26/06	10/31/06	01/18/07	01/18/07	05/08/07	07/30/07	12/04/07	02/29/08	04/23/08
ANALYTE / Lab ID			60066.09	60177.09	60340.09	60473.09	70022.04	70022.03	70164.09	70285.09	70504.09	80063.09	80136.09
VOCs													
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals													
Lead	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-6
Groundwater Sampling Results
Site 2567 MW06 (Jan06-Nov08)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	46	47
WELL ID			2567-MW06	2567-MW06
Date Collected			08/08/08	11/04/08
ANALYTE / Lab ID			80287.09	80401.09
VOCs				
Acetone	6000	µg/L	ND	ND
TICs*	500	µg/L	ND	ND
Metals				
Lead	5	µg/L	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-7
Groundwater Sampling Results
Site 2567 MW07 (Aug00-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	14	15	16	17	18	19	20	21	22	23	24
WELL ID			2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07
Date Collected			08/22/00	11/01/00	02/09/01	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03
ANALYTE / Lab ID			5647.10	5825.10	716.00	16107.10	16356.10	16573.10	20112.10	20331.10	20585.10	20762.10	30083.10
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)	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
Metals													
Lead	10	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-7
Groundwater Sampling Results
Site 2567 MW07 (Aug00-Aug05)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	24	25	26	27	28	29	30	31	32	33	34
WELL ID			MW07 Duplicate	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07
Date Collected			02/26/03	06/11/03	07/22/03	10/07/03	01/16/04	06/22/04	08/12/04	11/24/04	02/11/05	05/06/05	08/16/05
ANALYTE / Lab ID			30083.03	30283.10	30397.10	30634.10	40043.10	40481.07	40593.10	40807.10	50084.10	50244.09	50404.10
VOCs													
Acetone	700	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	ND	ND	ND	ND	2.98	2.51	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)	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
Metals													
Lead	10	µg/L	1.57	0.855	ND	ND	ND	ND	5.47	ND	ND	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-7
Groundwater Sampling Results
Site 2567 MW07 (Nov05-May07)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	35	36	37	38	39	40	41
WELL ID			2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07
Date Collected			11/17/05	01/30/06	04/26/06	07/26/06	10/31/06	01/18/07	05/08/07
ANALYTE / Lab ID			50602.10	60066.10	60177.10	60340.10	60473.10	70022.05	70164.10
VOCs									
Acetone	6000	µg/L	ND	ND	ND	ND	0.98 J	ND	ND
MTBE	70	µg/L	ND	ND	ND	2.4 J	1.78 J	ND	ND
tert -Butyl Alcohol (TBA)	100	µg/L	ND	ND	ND	ND	10.21	ND	ND
TICs*	500	µg/L	10.0	7.0	ND	ND	ND	ND	ND
Metals									
Lead	5	µg/L	ND	ND	2.97 ER	ND	ND	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (November 7, 2005)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-7
Groundwater Sampling Results
Site 2567 MW07 (July07-March09)
Fort Monmouth, New Jersey

Round No.	** NJDEP Criteria	Units	42	43	44	45	46	47
WELL ID			2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07	2567-MW07
Date Collected			07/30/07	12/04/07	02/29/08	04/23/08	08/08/08	11/04/08
ANALYTE / Lab ID			70285.10	70504.10	80063.10	80136.10	80287.10	80401.10
VOCs								
Acetone	6000	µg/L	ND	ND	ND	ND	ND	ND
MTBE	70	µg/L	ND	ND	ND	ND	ND	ND
tert -Butyl Alcohol (TBA)	100	µg/L	ND	ND	ND	ND	ND	ND
TICs*	500	µg/L	ND	ND	ND	ND	ND	ND
Metals								
Lead	5	µg/L	1.85 ER	ND	ND	ND	ND	ND

Notes:

* TICs = Tentatively Identified Compounds, can not 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-C (July 27, 2007)

Exceedances of NJDEP Groundwater Quality Criteria are shaded and bold

ER-Estimated Result

NLE-No Limit Established

Sampling for Semivolatiles and PCBs/Pesticides was only during 4th quarter 1997 and 1st quarter 1998 sampling events

Table 5-8
Groundwater Exceedance Summary
Site 2567
Fort Monmouth, New Jersey

Analyte	Criterion	Field ID	Round	Date Collected	Lab Sample ID	Result
VOCs						
***Tert*-Butyl Alcohol**	**100**	2567MW01	#29	6/22/2004	4048101	**283.26**
			#30	8/12/2004	4059304	**150.65**
			#31	11/24/2004	4080704	**478.49**
			#31 (Duplicate)	11/24/2004	4080703	**534.62**
			#32	2/11/2005	5008404	**128.03**
			#32 (Duplicate)	2/11/2005	5008403	**104**
			#33	5/6/2005	5024404	**200.1**
			#33 (Duplicate)	5/6/2005	5024403	**249.58**
			#34	8/16/2005	5040404	**142.19**
			#35	11/17/2005	5055303	**377.47**
			#36	1/30/2006	6014906	**331.46**
			#36 (Duplicate)	1/30/2006	6006603	**439.19**
			#38	7/26/2006	6034004	**661.42**
			#38 (Duplicate)	7/26/2006	6034003	**732.51**
			#39	10/31/2006	6047304	**224.72**
			#39 (Duplicate)	7/26/2006	6047303	**196.65**
			#40	7/26/2006	7002104	**114.24**
			#42	7/30/2007	7028504	**381.93**
			#42 (Duplicate)	7/30/2007	7028503	**414.03**
			#44	2/29/2008	8006304	**138.73**
			#46	8/8/2008	8028704	**136.16**
			#46 (Duplicate)	8/8/2008	8028703	**134.66**
			#47	11/4/2008	8040104	**355.01**
			#47 (Duplicate)	11/4/2008	8040103	**359.6**
	100	2567MW03	#38	7/26/2006	6034006	**421.11**
			#39	10/31/2006	6047306	**209.31**
			#41	5/8/2007	7016406	**107.3**
Methyl *Tert*-Butyl Ether	**70**	2567MW03	#38	7/26/2006	6034006	**120.71**
Metals						
Lead	**5**	2567MW04	#35	11/17/2005	5060207	**8.84**
	5	2567MW05	#31	11/24/2004	4080708	**22.4**
			#32	2/11/2005	5008408	**11.5**
			#33	5/6/2005	5024604	**27.9**
			#33 (Duplicate)	5/6/2005	5024603	**34.5**
			#34	8/16/2005	5040408	**14**
			#35	11/17/2005	5060208	**11.2**
			#36	1/30/2006	6006608	**8.76**
			#37	4/26/2006	6017708	**6.52**
			#40	1/18/2007	7002108	**6.36**
			#41	5/8/2007	7016408	**8.47**
			#42	7/30/2007	7028508	**11**
			#43	12/4/2007	7050408	**5.32**
			#45	4/23/2008	8013608	**8.12**
			#46	8/8/2008	8028708	**25.6**
			#47	11/4/2008	8040108	**8.21**
	5	2567MW06	#33	5/6/2005	5024408	**22.4**

All results are in micrograms per liter (µg/l).
VOCs = Volatile Organic Compounds

Table 5-9
Tentatively Identified Compounds (TICs)
Site 2567
Fort Monmouth, New Jersey

	Well:	2567MW01	2567MW02	2567MW03	2567MW04	2567MW05	2567MW06	2567MW07
Round	**Date**							
29	**Jun-04**	4/1	ND	279/10	ND	ND	ND	ND
30	**Aug-04**	4/1	8/1	252/10	ND	ND	ND	ND
31	**Nov-04**	ND	3/1	8/2	ND	ND	ND	ND
32	**Feb-05**	ND	ND	40/5	ND	ND	ND	ND
33	**May-05**	ND	13/1	17/4	ND	ND	ND	ND
34	**Aug-05**	ND	3/1	315/10	ND	ND	ND	ND
35	**Nov-05**	10/2	13/3	22/4	11/2	11/2	12/2	10/2
36	**Jan-06**	8/1	13/2	119/10	8/1	8/1	7/1	7/1
37	**Apr-06**	ND	ND	113/9	ND	ND	ND	ND
38	**Jul-06**	5/1	ND	64/7	ND	ND	ND	ND
39	**Oct-06**	ND	ND	132/8	ND	ND	ND	ND
40	**Jan-07**	ND	ND	207/11	ND	ND	ND	ND
41	**May-07**	ND	ND	136/9	ND	ND	ND	ND
42	**Jul-07**	ND	ND	ND	ND	ND	ND	ND
43	**Dec-07**	ND	9/2	53/8	ND	ND	ND	ND
44	**Feb-08**	ND	ND	73/9	ND	ND	ND	ND
45	**Apr-08**	ND	ND	160/12	ND	ND	ND	ND
46	**Aug-08**	ND	8/2	441/15	ND	10/2	ND	ND
47	**Nov-08**	ND	15/2	128/10	ND	ND	ND	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 5-10
Relative Percent Difference Calculations
Site 2567 (Aug 2004 - Nov 2008)
Fort Monmouth, NJ

Round 30 **Q3 2004** **2567MW03 Sample Multiplier: 1** **Average**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	9.67	9.66	9.67	0.01	0.10%	
TBA	60.68	66.83	63.76	6.15	9.65%	
Toluene	0.37	0.38	0.38	0.01	2.67%	
Total Xylenes	1.65	1.61	1.63	0.04	2.45%	
				Average	**3.72%**	**3.72%**

Round 31 **Q4 2004** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	0.78	0.72	0.75	0.06	8.00%	
TBA	606.09	478.49	542.29	127.6	23.53%	
				Average	**15.76%**	**15.76%**

Round 31 **Q4 2004** **2567MW01 Sample Multiplier: 5**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	0.72	0.72	0.7	0	0.00%	
TBA	534.62	478.49	506.6	56.13	11.08%	
				Average	**5.54%**	**5.54%**

Round 32 **Q1 2005** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
TBA	104	128.03	116.02	24.03	20.71%	
				Average	**20.71%**	**20.71%**

Round 33a **Q2 2005** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
TBA	249.58	200.1	224.84	49.48	22.01%	
				Average	**22.01%**	**22.01%**

Round 33b **Q2 2005** **2567MW05 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 34 **Q3 2005** **2567MW03 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
Benzene	0.32	0.32	0.32	0	0.00%	
MTBE	7.58	8.17	7.88	0.59	7.49%	
Toluene	0.36	0.36	0.36	0	0.00%	
Total Xylenes	2.00	2.06	2.03	0.06	2.96%	
				Average	**2.61%**	**2.61%**

Table 5-10
Relative Percent Difference Calculations
Site 2567 (Aug 2004 - Nov 2008)
Fort Monmouth, NJ

Round 35 **Q4 2005** **2567MW03 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	2.15	2.23	2.19	0.08	3.65%	
TBA	67.48	69.3	68.39	1.82	2.66%	
				Average	**3.16%**	**3.16%**

Round 36 **Q1 2006** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
Methylene Chloride	0.21	0.4	0.31	0.19	62.30%	
MTBE	1.38	1.68	1.53	0.3	19.61%	
TBA	439.19	331.46	385.33	107.73	27.96%	
				Average	**36.62%**	**36.62%**

Round 37 **Q2 2006** **2567MW02 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 38 **Q3 2006** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	41.57	40.15	40.86	1.42	3.48%	
TBA	510.53	526.84	518.69	16.31	3.14%	
				Average	**3.31%**	**3.31%**

Round 38 **Q3 2006** **2567MW01 Sample Multiplier: 10**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	66.17	40.15	53.16	26.02	48.95%	
TBA	732.51	526.84	629.68	205.67	32.66%	
				Average	**40.80%**	**40.80%**

Round 39 **Q4 2006** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
Acetone	0.53	0.36	0.45	0.17	38.20%	
MTBE	1.24	1.53	1.39	0.29	20.94%	
TBA	196.65	224.72	210.69	28.07	13.32%	
				Average	**24.15%**	**24.15%**

Round 40a **Q1 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	0.92	1.03	0.98	0.11	11.28%	
TBA	5.70	114.24	59.97	108.54	180.99%	
				Average	**96.14%**	**96.14%**

Table 5-10
Relative Percent Difference Calculations
Site 2567 (Aug 2004 - Nov 2008)
Fort Monmouth, NJ

Round 40b **Q1 2007** **2567MW06 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 41 **Q2 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
All Non-Detect	0	0	0	0	0.00%	
				Average	**0.00%**	**0.00%**

Round 42 **Q3 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
TBA	414.03	381.93	397.98	32.1	8.07%	
				Average	**8.07%**	**8.07%**

Round 43 **Q4 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	0.24	0.46	0.35	0.22	62.86%	
TBA	56.34	76.26	66.3	19.92	30.05%	
				Average	**46.45%**	**46.45%**

Round 44 **Q1 2008** **2567MW01 Duplicate Not Analyzed**

Round 45 **Q2 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	0.44	0.44	0.44	0	0.00%	
TBA	50.57	80.22	65.40	29.65	45.34%	
				Average	**22.67%**	**22.67%**

Round 46 **Q3 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	1.19	1.12	1.16	0.07	6.06%	
TBA	134.66	136.16	135.41	1.5	1.11%	
				Average	**3.58%**	**3.58%**

Round 47 **Q4 2007** **2567MW01 Sample Multiplier: 1**

	Field Duplicate	Sample	Average	Difference	Relative Percent Difference	
MTBE	0.75	0.71	0.73	0.04	5.48%	
TBA	359.60	355.01	357.31	4.59	1.28%	
				Average	**3.38%**	**3.38%**
					Minimum All Relative Percent Differences	**0.00%**
					Average All Relative Percent Differences	**17.08%**
					Maximum All Relative Percent Differences	**96.14%**

MTBE=Methyl Tert-Butyl Alcohol
TBA=Tert-Butyl Alcohol
* Method Detection Limit used for non-detect result.

Appendix A

Versar, Inc., October 2005, *Final Remedial Investigation Report & Remedial Action Work Plan, Site 2567, Fort Monmouth, New Jersey*

(This report is supplied on disc only.)

FINAL

Remedial Investigation Report
And
Remedial Action Workplan

Site 2567

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

Directorate of Public Works

October 28, 2005

Versar, Inc.
4700 South McClintock Drive, Suite 150
Tempe, Arizona 85282

Contract No. DACA 51-02-D-0007
Delivery Order No. 2V28

United States Army
Fort Monmouth, New Jersey

Remedial Investigation Report
And
Remedial Action Workplan

Site 2567

Fort Monmouth, New Jersey

October 28, 2005

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October 28, 2005

VERSAR PROJECT NO. 110571.0571.428

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EXECUTIVE SUMMARY

VERSAR, Inc. (Versar) has been contracted by the United States (U.S.) Army Garrison, Fort Monmouth (Fort Monmouth), Directorate of Public Works (DPW), Fort Monmouth, New Jersey to prepare a Remedial Investigation Report (RIR) to document groundwater conditions at Site 2567 located in the Charles Wood Area of Fort Monmouth, New Jersey. This report addresses the remedial investigation activities performed at this site to investigate groundwater conditions from April 1997 through January 2004.

Site 2567 is located in the Charles Wood Area of Fort Monmouth at the northwest corner of the intersection between Laboratory Road and Hope Road. Site 2567 includes Building 2567, two gasoline dispenser islands located within the paved area south of the building and dense wooded areas located to the south and east of the site. Two Underground Storage Tank (UST) closure reports have been submitted to the New Jersey Department of Environmental Protection (NJDEP) regarding USTs in the immediate vicinity of Site 2567.

The *UST Closure and Site Assessment Report for Building 2567, Tanks 33 and 46* documents the removal of two single-wall steel USTs located adjacent to Building 2567. Both USTs were cleaned, excavated and disposed of in accordance with NJDEP requirements. Following the removal of these two USTs, eight post-excavation samples were collected and contained either non-detectable concentrations of total petroleum hydrocarbons (TPHC) or concentrations below NJDEP criteria.

The *UST Closure and Site Assessment Report, Building 2567, UST Nos. 42, 43, 44 and 45* documented the removal of four gasoline USTs located under the pavement approximately 30 feet southeast of Building 2567. The DPW notified the NJDEP of a fuel leak at the Charles Wood gas station, Building 2567. Four groundwater monitoring wells were installed in 1991 to evaluate groundwater quality in the area of Building 2567 and the USTs at Site 2567 were closed. Approximately 936 cubic yards of soil were excavated from the area surrounding the USTs and the dispenser island. Twelve post-excavation soil samples were collected and TPHC was either not detected or detected below NJDEP criteria.

Subsequently, 23 post-excavation soil samples were collected from the side walls of the excavation area. TPHC was detected in one sample at a concentration below the NJDEP criteria. There were three volatile organic compounds (VOCs) detected at concentrations exceeding the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) or the Impact to Groundwater Soil Cleanup Criteria (IGWSCC). Lead was detected below the RDCSCC. There is no IGWSCC for lead.

In response to the suspected discharges from the USTs following the reported release, four groundwater monitoring wells were installed near Building 2567. These wells were sampled in five sampling rounds; during these sampling events, four VOCs and lead were detected in groundwater samples collected at Site 2567 at concentrations greater than the Class II-A NJDEP Ground Water Quality Criteria (GWQC).

The Weston 1995 report identified methyl tert-butyl ether (MTBE) and tert-butyl alcohol (TBA) as groundwater contaminants without GWQC; however, both MTBE and TBA exceeded the interim GWQC in multiple rounds of sampling at one monitoring well.

In September 1994, one additional monitoring well (2567-MW5) was installed by the DPW to determine if contaminants were present downgradient from the site.

In a letter report submitted to the NJDEP in May 2000, ATC Associates (ATC) reported sampling results collected during six sampling events from five monitoring wells at Site 2567. During these six sampling events, five VOCs (benzene, MTBE, TBA, xylenes and methylene chloride) were detected in groundwater samples collected at Site 2567 at concentrations greater than their respective GWQC. Lead was not detected in any of the groundwater samples collected during this time at concentrations exceeding its GWQC.

As presented in the Weston SI Report, 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. 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 Fort Monmouth.

Fort Monmouth DPW has conducted a Remedial Investigation (RI), including a groundwater sampling program, to define the areal extent of potential pollutants and evaluate impacts to groundwater in the vicinity of Site 2567. Remedial investigation activities were performed from September 1991 and continued through January 2004.

A total of seven monitoring wells comprise the quarterly groundwater monitoring program conducted by the DPW. The location of each well was strategically selected by the DPW to monitor possible contaminants released into the groundwater due to the former USTs located at Building 2567. As part of the remedial investigation, a quarterly groundwater sampling program was conducted from April 1997 through January 2004 at Site 2567.

During the 30 quarterly sampling events, four VOCs and five Target Analyte List (TAL) metals were detected in groundwater samples at concentrations above their respective NJDEP GWQC. Based on the magnitude of their exceedences, the frequency of their occurrences and their wide-ranging results, TBA is identified as the only contaminant of concern (COC) at Site 2567.

The RI also included the collection of groundwater depth measurements, the performance of slug tests, evaluation of aquifer classification, and the completion of a sensitive receptor survey. The results of the field and laboratory investigations were used to develop a conceptual site model to provide a basis for the development of a three-dimensional computer model. The conceptual site model considers the site-specific topography, groundwater recharge, groundwater flow conditions and the geologic formations present at the site. A MODFLOW computer model was used to simulate

groundwater flow and contaminant transport beneath the site. The purpose of developing a groundwater model for Site 2567 was to predict the migration of the identified COC in site groundwater.

In order to evaluate groundwater conditions and potential COC migration at Site 2567, additional Geoprobe® groundwater samples were collected from seven points in February and April 2004.

Continued groundwater monitoring of TBA degradation through monitored natural attenuation (MNA) at Site 2567 is recommended. Additional groundwater quality sampling results obtained from samples collected at Site 2567 will be reported in Remedial Action Progress Reports (RAPRs).

A Limited Action with MNA alternative has been selected for Site 2567 based upon its appropriateness for remediation of the low residual concentrations of COCs present at the site in a time frame acceptable to the NJDEP. MNA is very low in cost, and the low COC concentrations do not require a permanent alternative. This alternative is equally effective in the short- and long-term, is easy to implement and can attain compliance with NJDEP criteria. Historical groundwater sampling results at Site 2567 indicate that natural attenuation is occurring at an acceptable rate.

Quarterly groundwater sampling at Site 2567 will include groundwater samples collected from monitoring wells 2567-MW1, 2567-MW2, 2567-MW3, 2567-MW4, 2567-MW5, 2567-MW6 and 2567-MW7. The groundwater samples collected from these monitoring wells will be analyzed by the FMETL for VOCs plus 15 TICs.

The remedial action will be performed in accordance with the Quality Assurance Project Plan (QAPP) and the site-specific Health and Safety Plan (SSHSP) for Site 2567.

1.0 INTRODUCTION

Versar has been contracted by the U.S. Army Garrison, Fort Monmouth DPW, Fort Monmouth, New Jersey to prepare an RIR to document groundwater and surface water conditions at Site 2567 located at the Charles Wood Area, Fort Monmouth, New Jersey. This report addresses the remedial investigation activities performed at this site to investigate groundwater conditions from April 1997 through January 2004.

1.1 Objectives

The objectives of this RIR are to define aquifer chemical and physical characteristics and to determine the requirement for further remedial activities at Site 2567. The remedial investigation was conducted in accordance with NJDEP *Technical Requirements for Site Remediation* (February 2003), NJAC 7:26E, et seq.

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

- Characterization of groundwater quality over time through quarterly groundwater sampling events conducted from April 1997 through January 2004.
- Characterization of groundwater quality during two low-flow sampling events in May and June 2001.
- Comparison of the results of the groundwater quality monitoring programs with the NJDEP GWQC.
- Investigation and evaluation of the designated aquifer uses, the associated aquifer classification, and the appropriate groundwater quality criteria for groundwater resources beneath Site 2567. The NJDEP Ground Water Quality Standards (GWQS) specify the quality criteria and designated uses for groundwater and also contain technical and general policies to ensure that the designated uses can be adequately protected.
- Performance of slug tests during August 2001 to characterize the hydraulic conductivity and groundwater flow regime.
- Development of a biodegradation model for potential COCs at Site 2567 based on hydrogeologic data, field investigation programs and technical research to evaluate the migration of potential COCs beneath the site.
- Formulation of recommendations for future remedial investigation or remedial action alternatives for Site 2567.

1.2 Report Organization

This report is organized to minimize repetition. **Section 2.0** provides background information and a general description of Site 2567 located in the Charles Wood Area of Fort Monmouth. **Section 3.0** describes and summarizes the field activities conducted at Site 2567 including groundwater and surface water sampling and aquifer testing. **Section 4.0** presents the physical characterization of Site 2567, including lithology and groundwater conditions. Chemical characterization is presented in **Section 5.0**, which includes groundwater sampling results and the determination of potential COCs. **Section 6.0** discusses the potential for contaminant migration in the vicinity of Site 2567 and

presents groundwater modeling involving COCs. Conclusions and recommendations are presented in **Section 7.0**. The references used to prepare this report are listed in **Section 8.0**.

2.0 SITE BACKGROUND AND ENVIRONMENTAL SETTING

The following sections describe the site background and environmental setting of the area surrounding Fort Monmouth and Site 2567. Included is a description of the site location, background, current conditions and environmental setting.

2.1 Site Location and Description

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City and 70 miles northeast of Philadelphia (**Figure 2-1**). In addition to the Main Post, the installation includes two subposts, the Charles Wood Area and the Evans Area. The Main Post encompasses approximately 630 acres and is bounded by State Highway 35, Parkers Creek, Lafetra Brook, the New Jersey Transit Railroad and a residential area to the south. The post was established in 1918 during World War I (WWI) as an Army Signal Corps training center. The Main Post currently provides administrative, training, and housing support functions, as well as providing many of the community facilities for Fort Monmouth. The primary mission of Fort Monmouth is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). CECOM is a major subordinate command of the U.S. Army Materiel Command (AMC) and is the host tenant at Fort Monmouth.

Site 2567 is located in the Charles Wood Area of Fort Monmouth at the northwest corner of the intersection between Laboratory Road and Hope Road (**Figure 2-2**). Site 2567 includes Building 2567, two gasoline dispenser islands located within the paved area south of the building and dense wooded areas located to the south and east of the site.

2.2 Site Background

In the early 1990s, the DPW developed a UST program for managing approximately 506 USTs located throughout the Fort Monmouth installation (Main Post, Charles Wood and Camp Evans areas). This program was created to work toward replacing the use of heating oil as a major energy source and to convert to natural gas. The DPW's approach involved installing new gas lines and new gas-fed boilers and removing the non-regulated (residential) USTs. Since 1990, approximately 97 percent of the aforementioned USTs at Fort Monmouth have been removed.

As part of the DPW's UST management program, two UST closure reports (October 1993 and January 1995) have been submitted to the NJDEP regarding USTs in the immediate vicinity of Site 2567. In addition to these two closure reports, the DPW submitted one letter report (May 2000) detailing the results of a long-term groundwater monitoring program for Site 2567. These three reports are presented in **Appendix A**, **Appendix B** and **Appendix C** and are discussed below.

In 1995, the DPW submitted a Site Investigation (SI) report to the NJDEP (Weston, 1995) for the Main Post and Charles Wood areas. Relevant sections of this SI report are presented in **Appendix D** and are discussed below in **Section 2.2.3**. The Weston SI report was incorporated into the discussion of COCs (**Section 5.2**) for Site 2567.

The groundwater monitoring program presented in this report includes the five wells originally installed as part of the closure of former USTs. The locations of these five monitoring wells and two additional wells installed during this remedial investigation are shown in **Figure 2-3**. A well construction summary is provided in **Table 2-1**. Monitoring well records are provided in **Appendix E**.

2.2.1 UST Closure and Site Assessment for Two USTs – Weston, 1993

According to the *UST Closure and Site Assessment Report for Building 2567, Tanks 33 and 46*, prepared by Weston for the DPW, October 1, 1993 (**Appendix A**), there were two single-wall steel USTs (USTs 33 and 46) located adjacent to Building 2567 (**Figure 2-4**). UST No. 33 was a 1,000-gallon No.2 fuel oil UST, and UST No. 46 was a 500-gallon waste oil UST. On December 31, 1991, both USTs were cleaned, excavated and disposed of in accordance with NJDEP requirements. No holes were noted in the USTs, and no potentially contaminated soils were observed surrounding the USTs. U.S. Department of Health (DEH) records indicate that UST No. 46 was never in use. Following the removal of these two tanks, eight post-excavation samples were collected and analyzed for TPHC. The eight soil samples contained either non-detectable concentrations of contaminants or concentrations below NJDEP subsurface cleanup criteria.

2.2.2 UST Closure and Site Assessment for Four USTs – Weston, 1995

According to the *UST Closure and Site Assessment Report, Building 2567, UST Nos. 42, 43, 44, and 45*, prepared by Weston for the DPW in January 1995 (**Appendix B**), there were four gasoline USTs (Nos. 42 through 45) located under the pavement approximately 30 feet southeast of Building 2567 (**Figure 2-4**). UST Nos. 42, 43 and 44 were single-walled steel 10,000-gallon unleaded gasoline USTs. UST No. 45 was a single-walled steel 6,000-gallon leaded gasoline UST.

In December 1989, the DPW notified the NJDEP of a fuel leak at the Charles Wood gas station, Building 2567 (Case No. 89-12-12-1442). In January 1990, a tightness test was conducted on the premium gasoline line, which tested tight. In January 1991, UST Nos. 42, 43 and 44 were tightness tested. UST Nos. 42 and 44 passed the UST system tightness test, although UST No. 43 failed this test (Case No. 91-8-27-1414). In response to the failed tightness test, UST No. 43 was placed out of service and four groundwater monitoring wells were installed in 1991 to evaluate groundwater quality in the area of Building 2567. The closure, remediation and construction of a new facility near Building 2567 were conducted by the DPW in 1993.

In February 1993, UST Nos. 42 through 45 were closed at Site 2567. During the closure, UST Nos. 42 through 45 were drained and removed along with associated piping. The subsurface evaluator did not observe any holes in any of these four USTs after they were removed from the ground. There was no sheen observed on groundwater during the UST removals. Based on visual observations of stained soils and screening with a PID, approximately 936 cubic yards of soil were excavated from the area surrounding the

USTs and the dispenser island (**Figure 2-4**). The excavation was extended to a maximum depth of 11 feet (where groundwater was encountered).

Soil Sampling

On February 2, 1993, four post-excavation samples were collected from the bottom and north side wall of the excavation and analyzed for TPHC. In addition, on February 8, 1994, eight post-excavation soil samples were collected from the east sidewall and also analyzed for TPHC. In these 12 post-excavation soil samples, TPHC was either not detected or detected below NJDEP soil cleanup criteria.

On February 24, 1993, 23 post-excavation soil samples were collected from the sidewalls of the excavation area and analyzed for TPHC, VOCs plus 15 tenatively identified compounds (TICs) and lead. The soil sampling results were compared to the NJDEP RDCSCC and IGWSCC.

TPHC was detected in one sample at a concentration below the NJDEP cleanup criteria. There were three VOCs detected in these 23 post-excavation soil samples at concentrations exceeding the RDCSCC or the IGWSCC. Benzene was detected at concentrations ranging from 1.8 mg/kg to 45 mg/kg. The IGWSCC for benzene is 1 mg/kg and the RDCSCC for benzene is 3 mg/kg. Ethylbenzene was detected at concentrations ranging from 120 mg/kg to 170 mg/kg. The IGWSCC for ethylbenzene is 100 mg/kg and the RDCSCC for ethylbenzene is 1000 mg/kg. Total xylenes were detected at concentrations ranging from 11.7 mg/kg to 1200 mg/kg. The IGWSCC for total xylenes is 10 mg/kg and the RDCSCC for total xylenes is 410 mg/kg. Lead was detected below the RDCSCC of 400 mg/kg at concentrations ranging from 7.77 mg/kg to 129 mg/kg. There is no IGWSCC for lead.

Appendix B includes these soil sampling results as presented in the 1995 Weston SI and Closure Report.

Groundwater Sampling

In response to the suspected discharges from the USTs following the reported release in 1989 and failed tightness test in 1991, four groundwater monitoring wells (2567-MW1, 2567-MW2, 2567-MW3 and 2567-MW4) were installed near Building 2567 in October 1991 (see **Table 2-1** and **Figure 2-3**). Soil boring logs and monitoring well records are contained in **Appendix E**. These wells were sampled in five sampling rounds (December 1991, October 1992, April 1993, February 1994, and March 1994). The groundwater samples that were collected during December 1991, October 1992, February 1994 and March 1994 were analyzed for VOCs plus 15 TICs. The groundwater samples that were collected during April 1993 were analyzed for semi-volatile organic compounds (SVOCs) plus 15 TICs.

During these sampling events, four VOCs (benzene, 1,2-dichloroethene, xylenes, and methylene chloride) and lead were detected in groundwater samples collected at Site 2567 at concentrations greater than the Class II-A NJDEP GWQC. There were no SVOCs detected in groundwater samples collected in April 1993 at concentrations

greater than the GWQC. Groundwater sampling results for wells 2567-MW1 through 2567-MW4, as presented in the 1995 Weston SI report, are included in **Appendix B**.

In the groundwater results tables included in the 1995 Weston SI report, Weston identified MTBE and TBA as groundwater contaminants without GWQC. As of December 2001, the NJDEP applies the interim groundwater quality criteria of 70 ug/L and 100 ug/L to MTBE and TBA, respectively. The exceedences of these interim criteria for the groundwater samples collected between December 1991 and March 1994 are discussed below.

MTBE was detected at concentrations exceeding the interim GWQC of 70 ug/L in four rounds of sampling collected at one monitoring well location (2567-MW1). Concentrations ranged from 650 ug/L (February 1994) to 2,200 ug/L (December 1991).

TBA was detected at concentrations exceeding the interim GWQC of 100 ug/L in three rounds of sampling collected at one monitoring well location (2567-MW1). Concentrations ranged from 470 ug/L (April 1993) to 5,400 ug/L (October 1992).

In the 1995 Weston SI and closure report, Weston presented two groundwater flow maps in addition to groundwater sampling results. These groundwater flow maps both show groundwater flow to the southeast. Weston also conducted an NJDEP well search to identify all irrigation, monitoring, domestic, industrial and public supply wells near Site 2567. The nearest domestic well was found to be 6,500 feet southeast of Site 2567.

In September 1994, one additional monitoring well (2567-MW5) was installed by the DPW to determine if contaminants were present downgradient from the site. Well 2567-MW5 is located southeast of the site on the eastern side of Hope Road (see **Table 2-1**, **Figure 2-3** and **Appendix E**). The results for groundwater samples collected at well 2567-MW5 were presented by ATC in the letter report discussed below.

2.2.3 Groundwater Monitoring Letter Report – ATC, 2000

In a letter report submitted to the NJDEP in May 2000 (**Appendix C**), ATC reported sampling results collected from five monitoring wells at Site 2567 (2567-MW1 through 2567-MW5). These groundwater samples were collected by the DPW during six quarterly sampling rounds between May 1995 and April 1997. In this letter report, ATC also presented one groundwater flow map that shows groundwater flow to the southeast. Groundwater sampling results for wells 2567-MW1 through 2567-MW5, as presented in the ATC letter report (May 2000), are included in **Appendix C**.

The groundwater samples collected at Site 2567 during May 1995, August 1995, November 1995, February 1996, and April 1997 were analyzed for VOCs plus 15 TICs and lead. The groundwater samples collected at Site 2567 during January 1997 were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and lead.

During these six sampling events, four VOCs (benzene, MTBE, xylenes and methylene chloride) were detected in groundwater samples collected at Site 2567 at concentrations

greater than the GWQC. The results of the groundwater sampling indicated that benzene concentrations decreased in monitoring well 2567-MW3 during the period addressed by the ATC letter report. Lead was not detected at concentrations exceeding the GWQC in any of the groundwater samples collected during this time.

In the groundwater results tables included in the ATC 2000 letter report, ATC identified TBA as a groundwater contaminant without an associated GWQC. As discussed above in **Section 2.2.2**, the NJDEP currently applies the interim groundwater quality criterion of 100 ug/L for TBA contamination in class II-A aquifers. In four sampling rounds (May 1995, August 1995, November 1995, and February 1996), TBA was detected above the groundwater criteria of 100 ug/L in groundwater samples collected at well 2567-MW1 at concentrations ranging from 780 ug/L to 930 ug/L.

2.2.4 SI Report for Main Post and Charles Wood Areas – Weston, 1995

Weston, as part of the SI of the Fort Monmouth military installation, conducted soil sampling, monitoring well installation and sampling and geophysical surveying. In addition to sampling of soil and groundwater at sites throughout the Main Post and Charles Wood areas of Fort Monmouth, Weston established background concentrations of chemical constituents in soil and groundwater for the Fort Monmouth installation, as reported in the 1995 Weston SI report. These background concentrations have been used by the DPW for comparing sampling results for native constituents of soil and groundwater.

As presented in the Weston SI Report, 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 Main Post and Charles Wood areas of Fort Monmouth. Using a low-flow sampling methodology to reduce the presence of entrained sediment has generally yielded substantial reductions in the dissolved phase concentrations of metals, such as arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium and vanadium at Fort Monmouth sites. Significant decreases in the concentrations of metals characteristic of glauconitic sand also were observed. These included aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium, sodium and zinc.

2.3 Site Conditions

Versar conducted a site walk-through in April 2004, to assess site conditions at Site 2567. The site consists of Building 2567, which is a convenience store and gasoline station, paved parking areas along the west, south, and east sides of the building, and two gasoline dispenser islands located within the paved area south of the building. There are

dense wooded areas located south and east of the site. Site 2567 photographs were taken during a site walk-through in 2001 and are included in **Appendix F**.

The gas station currently utilizes three double-fiberglass reinforced 10,000-gallon USTs to store gasoline (UST Nos. 81515-66, 81515-67, and 81515-68). These three USTs are located at the same approximate area as the former gasoline USTs (UST Nos. 81515-42 through 81515-45, shown in **Figure 2-4**). Underground utility lines at Site 2567, including gas, storm sewer and water are shown in **Figure 2-5**. There is also an abandoned sewer line in the vicinity of the former gasoline USTs. A swale runs parallel to Hope Road, and elevations of the base of the swale indicate that the swale may intersect groundwater in the vicinity of the site. Underground utilities and the swale may impact shallow groundwater flow at Site 2567, as discussed in **Sections 4.0** and **6.0** below.

2.4 Environmental Setting

The following is a description of the geological/hydrogeological setting of the area surrounding Site 2567. 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 Charles Wood area.

2.4.1 Regional and Local Geology

Monmouth County lies within the New Jersey Section of the Atlantic Coastal Plain physiographic province. Site 2567 is located in what may be referred to as the Outer Coastal Plain subprovince, or the Outer Lowlands. The geologic map of New Jersey is provided as **Figure 2-6**.

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

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

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

The Tinton Sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse-grained feldspathic-quartz and glauconite-sand to a glauconitic-coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive. Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit. The upper part of the Tinton Sand 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 dark green clayey glauconitic sand.

The Tertiary-age Kirkwood Formation and Vincentown Formations crop out approximately two miles south of the Main Post. The Vincentown Formation contains a lower member which is 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).

Based on the interpretation of lithologic boring logs (**Appendix E**), the lithology of native material at Site 2567 consists of the Tinton Sand. Below Building 2567 and the surrounding paved areas exists asphalt and/or fill material overlying sedimentary layers of light green sand, dark brown/green clay with trace amounts of sand, and medium-fine sand. In the area of monitoring well 2567-MW5, there exists a slightly different progression consisting of brown fine sand overlying black, soft clay, followed by brown fine sand with trace amounts of silt, and finally gray medium sand intermixed with well-rounded gravel. Further discussion of the subsurface conditions is presented in **Section 4.0**.

2.4.2 Hydrogeology

Fort Monmouth lies in the Atlantic and Eastern Gulf Coastal Plain groundwater region. 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 and Charles Wood areas is identified as part of the "Composite Confining Unit," or minor aquifers. The minor aquifers include the Navesink formation, Red Bank Sand, Tinton Sand, Hornerstown Sand, Vincentown Formation, Manasquan Formation, Shark River Formation, Piney Point Formation and the basal clay of the Kirkwood Formation. These geologic formations comprise a "Composite Confining Bed" for the Wenonah Mount Laurel Aquifer (Zapecza, 1984). Measured hydraulic conductivities for the Navesink Hornerstown Confining Unit, presented in Martin (1998) range from 0.0005 to 9 feet per day, with a geometric mean of 0.12 feet per day. The hydraulic conductivity of 0.12 feet per day is discussed in relation to Site 2567 in **Section 6.1.4**.

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 Charles Wood areas at shallow depths below ground surface (bgs) (2 to 9 feet bgs). Water in the surficial aquifer generally flows east toward the Atlantic Ocean.

As presented in **Figure 2-7**, Fort Monmouth is located within the outcrop area 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. The Composite Confining Unit is approximately 125 feet thick at Site 2567.

Based on a review of the NJDEP GWQS, January 7, 1993, Versar has determined that the site is underlain by a Class III-A aquifer. A formal presentation of this finding was made to the NJDEP on April 17, 2001. The primary designated use for Class III-A groundwater is the release or transmittal of groundwater to adjacent classification areas and surface water, as relevant. Secondary designated uses in Class III-A include any reasonable use. Further discussion of the Class III-A aquifer designation is presented in **Section 6.3**.

Shallow groundwater may be locally influenced within the Charles Wood 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 Charles Wood Area
- Presence of clay and silt lenses in the natural overburden deposits
- Local groundwater recharge areas (e.g., streams, lakes)
- Roadways, utility conduits and stormwater culverts

Due to the fluvial nature of the overburden deposits (e.g., sand and clay lenses), shallow groundwater flow direction is best determined on a case-by-case basis. Groundwater in the vicinity of Site 2567 appears to be flowing in a south-southeast direction toward

Wampum Brook. Underground utilities may have a significant effect of diverting shallow groundwater flow.

2.4.3 Soils

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service, Monmouth County Soil Survey (April 1989), the majority of the Main Post and Charles Wood areas is covered by urban land (**Figure 2-8**). The soil survey describes urban land as areas where concrete, asphalt, buildings, shopping centers, airports or other impervious surfaces cover 80 percent or more of the surface. In addition, the survey indicated that the natural subsurface soils have largely been replaced with artificial or foreign fill materials (developed land with disturbed soils).

The following soil series and classification units are mapped in the Charles Wood 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)
- HUA Holmdel sandy loam/urban land complex (with 0 to 5 percent slopes)
- HV Humaquepts, frequently flooded
- KvA Kresson loam (with 0 to 5 percent slopes)
- PT Pits, Sand and Gravel
- Sn Shrewsbury sandy loam
- 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 Holmdel series consists of moderately well drained or somewhat poorly drained soils on uplands. The soils are formed in acid, loamy, coastal plain sediments that have 2 to 10 percent glauconite by volume. 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 Shrewsbury soils consist of poorly drained soils or upland flats that are formed in acid, loamy, coastal sediments that, by volume, are as much as 10 percent glauconite. The Udorthents soils have been altered by excavation or filling activities, and may include old sand and gravel pits. In filled areas, these soils consist of loamy material that is more than 20 inches thick. The filled areas include floodplain, tidal marshes and areas with moderately well-drained to very poorly drained soils. Some Udorthent soils contain concrete, asphalt, metal and glass. The soils in the vicinity of Site 2567 are classified as HUA – Holmdel sandy loam/urban land complex (**Figure 2-8**).

2.4.4 Topography and Surface Drainage

Over the last 80 years, the natural topography of Fort Monmouth has been altered by excavation and filling activities by the military. Site 2567 is located just north of the floodplain of Wampum Brook. The USGS topographic map (**Figure 2-1**) shows that the land surface of the site is relatively flat at an elevation of approximately 30 to 35 feet above mean sea level (amsl).

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

The U.S. Fish and Wildlife Service (FWS) National Wetland Inventory Long Branch quadrangle maps indicate the presence of several wetlands at the Main Post and Charles Wood areas. In the Charles Wood Area, the golf course lake is classified as palustrine open water/unknown bottom, and several areas along the unnamed tributaries of Wampum Brook are classified as palustrine forested wetland, broad-leaved deciduous.

Based on the topography of the area, surface water runoff is expected to flow in a southeast direction toward Wampum Brook. There are drainage ditches that run south along Hope Road and an unnamed tributary/drainage ditch that crosses underneath Hope Road about 200 feet south of Site 2567 (**Figure 2-2**). Surface water runoff from Site 2567 drains into these ditches and flows south then east into Wampum Brook.

3.0 SITE ACTIVITIES

Fort Monmouth DPW has conducted remedial investigation activities, including a groundwater sampling program, to define the areal extent of potential pollutants and evaluate impacts to groundwater in the vicinity of Site 2567. Remedial investigation activities were performed from September 1991 and continued through January 2004. These activities were managed by the Fort Monmouth DPW and performed by TECOM-Vinnell Services (TVS). The details of remedial investigation activities that occurred at Site 2567 are described in the following sections.

3.1 Well Installation

A total of seven monitoring wells (2567-MW1, 2567-MW2, 2567-MW3, 2567- MW4, 2567-MW5, 2567-MW6 and 2567-MW7) comprise the quarterly groundwater monitoring program conducted by the DPW. Four of the seven monitoring wells were installed in 1991 during the Weston UST closure and site investigation (2567-MW1, 2567-MW2, 2567-MW3 and 2567- MW4). One monitoring well was installed in 1994 (2567-MW5), and the remaining two monitoring wells were installed by the DPW in 2000 (2567-MW6 and 2567-MW7). **Figure 2-3** shows the locations of the monitoring wells at Site 2567. The location of each well was strategically selected by the DPW to monitor possible contaminants released into the groundwater due to the former USTs located at Building 2567. Monitoring well construction details are discussed in **Section 2.2** and are summarized in **Table 2-1**. Well boring logs and monitoring well records are provided in **Appendix E**.

3.2 Groundwater Monitoring Well Sample Collection Activities

As part of the remedial investigation, a quarterly groundwater sampling program was conducted from April 1997 through January 2004 at Site 2567. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (December 1997). Laboratory analyses of the samples collected at Site 2567 were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461).

Five monitoring wells (2567-MW1, 2567-MW2, 2567-MW3, 2567-MW4 and 2567-MW5) were sampled during 28 quarterly sampling rounds (#1 through #28) from June 1997 through January 2004 and two low-flow sampling rounds for a total of 30 quarterly sampling rounds. Monitoring wells 2567-MW6 and 2567-MW7 were incorporated later into the quarterly monitoring program and sampled from August 2000 through January 2004 during 15 quarterly rounds (#14 through #28) and two low-flow sampling rounds for a total of 17 quarterly sampling rounds.

During the 30 rounds of quarterly groundwater sampling, a total of 240 groundwater samples, including 31 duplicate samples, 33 field blanks and 28 trip blanks for quality assurance/quality control (QA/QC), were collected from seven monitoring wells. The quarterly groundwater samples were analyzed as follows:

- During quarterly sampling rounds #1 and #2, VOCs plus 15 TICs were analyzed using USEPA Method 624, and lead was analyzed using USEPA Method 3113B.
- During quarterly sampling rounds #3 and #4, VOCs plus 15 TICs were analyzed using USEPA Method 624, SVOCs plus 25 TICs were analyzed using USEPA Method 625, pesticides and PCBs were analyzed using USEPA Method 608, and TAL metals were analyzed using USEPA Methods 3120B and 3112B.
- During quarterly sampling rounds #5 through #28, VOCs plus 15 TICs were analyzed using USEPA Method 624, and lead was analyzed using USEPA Method 3120B.

A summary of the groundwater sampling activities, including rounds, well IDs, sample IDs, sample locations, collection/analysis date, analytical parameters and analysis method, is provided in **Table 3-1**. Copies of the groundwater sampling chain-of-custody forms and laboratory data sheets are presented in **Appendix G**. The results of the quarterly groundwater monitoring program for Site 2567 are discussed in **Section 5.1**.

In consideration of the potential benefits of the low-flow sampling procedure, two additional rounds of low-flow sampling (Low Flow #1 and Low Flow #2) were conducted from May 31-June 5, 2001 and June 25-26, 2001. A total of 21 samples, including three duplicate samples and four field blanks, were collected and analyzed for TAL metals to determine whether elevated metal concentrations observed in the groundwater samples at Site 2567 are due to entrained soil particles (e.g., high turbidity) rather than dissolved phased groundwater constituents. The samples were analyzed by the FMETL for TAL metals utilizing USEPA Methods 3120B and 3112B.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997). Following collection, groundwater samples were immediately placed in laboratory-supplied bottleware. The sample containers were labeled, sealed, packed in ice and transported to the FMETL under proper chain-of-custody procedures.

During each of the monitoring well sampling rounds, aquifer chemical characteristics including pH, temperature, conductivity and dissolved oxygen (DO) were recorded prior to sampling. These chemical characteristics are included in the laboratory data packages. The aquifer DO data is presented in **Section 5.3** and discussed in **Section 6.1.3**.

3.3 Geoprobe® Groundwater Sample Collection Activities

In order to evaluate groundwater conditions and potential COC migration at Site 2567, additional Geoprobe® groundwater samples were collected from seven points in February and April 2004. Sampling activities were performed in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (December 1997). Laboratory analyses of the samples collected at Site 2567 were conducted at the Fort Monmouth Environmental Testing Laboratory (FMETL), a New Jersey certified laboratory (Certification No. 13461).

Seven Geoprobe® sampling points (GW-1, GW-2, GW-3, W-1, W-2, W-3 and W-4) were sampled during two separate sampling events in February and April 2004.

During the two Geoprobe® groundwater sampling events, a total of 13 groundwater samples, including two duplicate samples, two field blanks and two trip blanks for QA/QC, were collected from the seven Geoprobe® points. The Geoprobe® groundwater samples were analyzed as follows:

- During the two sampling events, VOCs plus 15 TICs were analyzed using USEPA Method 624.

A summary of the Geoprobe® groundwater sampling activities, including Geoprobe® point IDs, sample IDs, sample locations, collection/analysis date, analytical parameters and analysis method, is provided in **Table 3-2**. Copies of the groundwater sampling chain-of-custody forms and laboratory data sheets are presented in **Appendix H**. The results of the Geoprobe® groundwater sampling program for Site 2567 are discussed in **Section 5.2**.

Sampling equipment was thoroughly decontaminated before and after each use, in accordance with the *Fort Monmouth Standard Sampling Operating Procedure* (1997). Following collection, groundwater samples were immediately placed in laboratory-supplied bottleware. The sample containers were labeled, sealed, packed in ice and transported to the FMETL under proper chain-of-custody procedures.

3.4 Groundwater Depth Measurements

During each of the 30 groundwater monitoring rounds conducted at Site 2567 (including the 28 quarterly monitoring rounds and two low-flow rounds), measurements of the depth to water in each of the monitoring wells was recorded with an accuracy of 0.01 feet. These depth to groundwater measurements, recorded from 1997 through 2004, are presented in **Table 3-2**. The groundwater elevation at each well was calculated by subtracting the measured depth to groundwater from the elevation of the top of the well casing. Groundwater elevations are discussed in **Section 4.2**.

3.5 Slug Testing Procedures

Versar conducted slug testing on the seven monitoring wells located at Site 2567 from August 16-17, 2001. The slug testing was performed to estimate hydrogeologic properties of the shallow soils at this site, such as groundwater velocity, to be used for contaminant transport modeling. The equipment used to perform the slug testing included a Hermit Environmental Data logger (Model 1000C), a 10-psi pressure transducer, and a 4-foot long, 3.5-inch diameter PVC slug.

The slug testing was performed by first recording the depth to top of groundwater, then placing the slug and the transducer into the well and allowing the water to equilibrate to a level close to the original water level. The new water level was set as the reference water level for the data logger during the slug test. The slug was then removed and the data logger recorded the changing water level with time. The collected data were then

transferred to a personal computer for later review and reduction. The raw data are presented in **Appendix H**. The results are discussed in **Section 4.2**.

3.6 Sensitive Receptors and Well Search

Searches were conducted using various databases and historical information to identify receptors and groundwater wells that may be potentially affected by Site 2567. An Offsite Receptor Report (dated October 24, 2001) was prepared for Site 2567 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 to identify groundwater wells that may potentially be affected by Site 2567. The search was performed for a one-mile radius surrounding the central point of the Site 2567. A copy of the sensitive receptor survey is provided in **Appendix I** and a copy of the well search summary is provided in **Appendix J**. The results of the sensitive receptor survey and well search are discussed in **Section 6.2**.

4.0 SITE PHYSICAL CHARACTERISTICS

The following sections represent the findings of the geologic and hydrogeologic characterization program for Site 2567. These sections include a detailed discussion of the physical properties of the unconsolidated soil, bedrock and groundwater underlying the study area. Groundwater elevation data collected by the DPW from August 1997 through January 2004 are presented in this section.

4.1 Lithology

The lithology encountered at Site 2567 consists primarily of fill material, fine sand, silt and clay. Two geologic cross-sections were prepared for Site 2567. Geologic cross-sections A-A' and A-A" were based on the boring logs of monitoring wells in the study area, as well as the locations of underground utilities. The geologic cross-section location map is included as **Figure 4-1**. Geologic cross-sections A-A' (**Figure 4-2**) and A-A" (**Figure 4-3**) include the locations of underground utility pipes, which are discussed with regard to shallow groundwater flow in **Section 4.2**. The data used to construct the geologic cross-sections are presented in **Table 4-1** (data for geologic cross-section A-A') and **Table 4-2** (data for geologic cross-section A-A"). The boring logs used to create the cross-section data tables are contained in **Appendix E**.

Geologic cross-section A-A' (**Figure 4-2**) depicts the profiles for monitoring wells 2567-MW2, 2567-MW3 and 2567-MW6, and portrays the following lithology:

- In the boring of well 2567-MW2, asphalt was encountered at the surface, fill was encountered below the asphalt to a depth of 5 feet bgs, and native material was encountered beneath the fill to a depth of 13 feet bgs.
- In the boring of well 2567-MW3, asphalt was encountered at the surface, fill was encountered below the asphalt to a depth of 4 feet bgs, and native material was encountered beneath the fill to a depth of 13 feet bgs.
- In the boring of well 2567-MW6, topsoil and roots were encountered at the surface, fill was encountered below the topsoil to a depth of 5 feet bgs, and native material was encountered to a depth of 13 feet bgs.
- There are three underground utilities shown in geologic cross-section A-A’: a 15-inch diameter sewer line, a 6-inch diameter gas line and a 15-inch diameter abandoned storm sewer line.
- Geologic cross-section A-A’’ portrays an area of fill with unknown depth beneath the gas line, sanitary sewer line and abandon storm sewer line.

Geologic cross-section A-A" (**Figure 4-3**) depicts the profiles for monitoring wells 2567-MW2, 2567-MW1 and 2567-MW5, and portrays the following lithology:

- As in geologic cross-section A-A' (**Figure 4-2**), the boring of well 2567-MW2, asphalt was encountered at the surface, fill was encountered below the asphalt to a depth of 5 feet bgs, and native material was encountered beneath the fill to a depth of 13 feet bgs.

- In the boring of well 2567-MW1, asphalt was encountered at the surface, fill was encountered below the asphalt to a depth of 4 feet bgs, and native material was encountered to a depth of 13 feet bgs.
- In the boring of well 2567-MW5, native material was encountered from the surface to a depth of 12.5 feet bgs. As an approximation, geologic cross-section A-A" shows approximately 1 foot of topsoil and roots at the surface of well 2567-MW5, which was not noted on the boring log for this well.
- There are three underground utilities shown on geologic cross-section A-A": one 6-inch diameter gas line, one gas main of unknown diameter, and one 36-inch diameter water main.
- Geologic cross-section A-A" portrays an area of fill with unknown depth and lithology surrounding the gas and water mains.
- Geologic cross-section A-A'' portrays an area of fill with a depth of at least 11 feet in the vicinity of the former UST excavation.

The fill encountered in the well borings at Site 2567 consisted of light orange to brown sand (Unit 3). Fill with unknown lithology is portrayed in **Figure 4-2** as Unit 7. The native material encountered in the well borings at Site 2567 consisted of poorly sorted brown, green, gray and black clay, silt and fine sand (Units 4, 5, 8, 9 and 10) and gray sand with well-rounded gravel (Unit 11). The lithology of the native material is consistent with the Tinton Sand (Minard, 1969).

4.2 Groundwater Flow

During the groundwater sampling program at Site 2567 (28 quarterly rounds and two low-flow rounds), groundwater was encountered in monitoring wells at Site 2567 at depths ranging from 1.69 to 12.20 feet bgs (**Table 3-2**) with a slight gradient toward the southeast. Groundwater velocity and flow directions were predicted based on the interpretation of groundwater contour maps and slug test results, as well as the locations of underground utilities.

4.2.1 Groundwater Flow Direction

In accordance with NJAC 7:26E-3.13(d)2iv, 15 groundwater contour maps were generated for Site 2567 based on groundwater depth measurements from the seven monitoring wells collected on August 22, 2000 (**Figure 4-4a**), November 1, 2000 (**Figure 4-4b**), February 9, 2001 (**Figure 4-4c**), May 8, 2001 (**Figure 4-4d**), August 15, 2001 (**Figure 4-4e**), November 9, 2001 (**Figure 4-4f**), February 26, 2002 (**Figure 4-4g**), May 28, 2002 (**Figure 4-4h**), August 20, 2002 (**Figure 4-4i**), October 28, 2002 (**Figure 4-4j**), February 26, 2003 (**Figure 4-4k**), June 11, 2003 (**Figure 4-4l**), July 22, 2003 (**Figure 4-4m**), October 7, 2003 (**Figure 4-4n**) and January 16, 2004 (**Figure 4-4o**). The groundwater underlying Site 2567 appears to be consistently flowing to the southeast. No significant variations in groundwater flow conditions were observed in these 15 groundwater contour maps. Groundwater elevation data are presented in **Table 3-2**.

4.2.2 Hydrogeologic Properties

As discussed in **Section 3.4**, Versar conducted slug testing of the seven monitoring wells located at Site 2567 on August 16 and 17, 2001. Versar used the computer software

Aquifer Test by Waterloo Hydrogeologic, Inc. (version 3.01, 2001) to reduce the slug testing data using the Bouwer-Rice methodologies. Data plots generated by Aquifer Test are presented in **Appendix I**. A summary of the calculated conductivity values is presented in **Table 4-3**.

The calculated conductivity values range from 18.8 feet/day at monitoring well 2567-MW7 to 35.6 feet/day at Monitoring Well 2567-MW3, with a calculated geometric mean of 25.9 feet/day. The variability in the range of hydraulic conductivities is associated with the shallow depth of the monitoring wells, partial penetration into the aquifer, and the heterogeneous nature of the fill material at the site. The geometric mean is used instead of the average due to the commonly high range of variability in hydraulic conductivity measurements.

The groundwater flow gradient for the site was estimated using the groundwater elevation data discussed above. The groundwater flow gradient (i) is calculated by measuring the distance (L) between two equipotential lines h_1 and h_2 using the following equation:

$$i = \frac{h_1 - h_2}{L}$$

The groundwater flow gradient for Site 2567, based on water level measurements collected on February 9, 2001, was estimated at approximately 0.02 feet per foot.

Groundwater flow velocity (v) in the vicinity of the site was then estimated using the groundwater flow gradient (i), an estimated hydraulic conductivity (K) for the surrounding soils based on the slug test results, and an assumed porosity (α) in the following equation:

$$v = \frac{Ki}{\alpha}$$

The hydraulic conductivity (K) used in the calculation, 25.9 feet/day, is the geometric average based on the results of slug testing performed by Versar (**Table 4-3**). The porosity (α) was estimated at 40% using average values for silt and sands (Heath, USGS, 1989). The groundwater velocity for the site was calculated to be approximately 1.3 feet per day (equal to 475 feet per year) based on the February 9, 2001 water-level measurements.

As discussed in **Section 2.4.2**, Site 2567 is located within the Composite Confining Unit, which typically has low hydraulic conductivities (on the order of 0.1 feet per day). However, the higher hydraulic conductivity of the subsurface materials at Site 2567 is most likely due to the following factors:

- Fill material is present in the subsurface throughout much of Site 2567.
- The native material (Tinton Sand Formation) found at Site 2567, is comprised of relatively coarse material such as sand and sub-rounded quartz gravel.

5.0 SITE CHEMICAL CHARACTERIZATION

This section includes a discussion of the chemical characterization of Site 2567 based on the various samples collected and analyzed including 30 rounds of monitoring well samples. DPW personnel were responsible for the collection of samples during this remedial investigation. Sample analyses were performed by the FMETL. In **Section 5.1**, groundwater sampling results are presented for samples collected between April 1997 and January 2004. In **Section 5.1**, the groundwater sampling results are evaluated and one potential COC (TBA) is identified for groundwater at Site 2567.

5.1 Groundwater Monitoring Well Sampling Results

This section presents a discussion of the results of laboratory analyses performed for the 30 rounds (28 quarterly rounds plus two additional low-flow rounds) of groundwater samples collected from April 1997 through January 2004 from the seven monitoring wells (2567-MW1 through 2567-MW7) at Site 2567. The groundwater samples were collected and analyzed for VOCs plus 15 TICs, SVOCs plus 15 TICs, pesticides, plychlorinated biphenyls (PCBs) and TAL metals. The two low-flow sampling rounds were conducted from May 31 to June 5, 2001 and June 25-26, 2001 using a low-flow groundwater sampling technique for TAL metals.

As discussed in **Section 2.4.2**, Fort Monmouth is underlain by a Class III-A aquifer. The appropriate groundwater quality criteria for Class III-A are the criteria for the most stringent classification for vertically or horizontally adjacent ground waters that are not Class III-A (NJAC 7:9-6.7e). The NJDEP criteria used for comparison of groundwater analytical results were the higher of the Practical Quantitation Limits (PQLs) and the NJDEP GWQC for Class II-A aquifers (NJAC 7:9-6, Table 1). Analytes detected in groundwater monitoring well samples at Site 2567 at concentrations above the NJDEP criteria are bold and highlighted in **Table 5-1**. The chain-of-custody forms for groundwater monitoring well samples and laboratory data sheets are provided in **Appendix G**. **Figure 5-1** shows the distribution of COCs for groundwater within the area of Site 2567.

During the 30 quarterly sampling events, a total of 11 VOCs were detected in site groundwater. Four VOCs were detected at concentrations that exceeded their respective GWQC in at least one sample, while the remaining seven VOCs were detected below their respective GWQC. A total of four SVOCs were detected in site groundwater below their respective GWQC. No pesticides or PCBs were detected in site groundwater. A total of 18 metals were detected in site groundwater. Five metals were detected at concentrations that exceed their respective GWQC in at least one sample, while the remaining 13 metals were detected below their respective GWQC.

Analytes exceeding the NJDEP GWQC in groundwater samples are presented in four subsections: VOCs (**Section 5.1.1**), SVOCs (**Section 5.1.2**), Pesticides and PCBs (**Section 5.1.3**) and TAL Metals (**Section 5.1.4**).

5.1.1 VOCs

During 30 quarterly sampling events, four VOCs were detected in site groundwater at concentrations that exceeded their respective GWQC in at least one sample.

Benzene was detected at concentrations exceeding the GWQC of 1.0 ug/L in eight rounds of sampling collected at two monitoring well locations. Concentrations ranged from 1.03 ug/L (sampling round #8) in 2567-MW3 to 39.4 ug/L (sampling round #2) in 2567-MW1.

Methylene chloride was detected at concentrations exceeding the interim GWQC of 2.0 ug/L in one round of sampling collected at one monitoring well location at a concentration of 25 ug/L (sampling round #2) in 2567-MW3.

MTBE was detected at concentrations exceeding the interim GWQC of 70 ug/L in four rounds of sampling collected at two monitoring well locations. Concentrations ranged from 81.82 ug/L (sampling round #5) in 2567-MW3 to 240 ug/L (sampling round #2) in 2567-MW1.

TBA was detected at concentrations exceeding the interim GWQC of 100 ug/L in 24 rounds of sampling collected at two monitoring well locations. Concentrations ranged from 143.26 ug/L (sampling round #7) in 2567-MW1 to 1,488.05 ug/L (sampling round #2) in 2567-MW1.

5.1.2 SVOCs

No SVOCs were detected above the appropriate GWQC at the site.

5.1.3 Pesticides and PCBs

No pesticides or PCBs were detected at the site.

5.1.4 TAL Metals

During 30 quarterly sampling events, five metals were detected in groundwater samples at concentrations above their respective NJDEP GWQC.

Aluminum was detected at concentrations exceeding the GWQC of 200 ug/L in four rounds of sampling collected at five monitoring well locations. Concentrations ranged from 261 ug/L (sampling round #4) in 2567-MW2 to 1,832 ug/L (sampling round #4) in 2567-MW3.

Iron was detected at concentrations exceeding the GWQC of 300 ug/L in four rounds of sampling collected at seven monitoring well locations. Concentrations ranged from 3,290 ug/L (Low Flow #2) in 2567-MW6 to 19,180 ug/L (sampling round #3) in 2567-MW5.

Lead was detected at concentrations exceeding the GWQC of 10 ug/L in seven rounds of sampling collected at two monitoring well locations. Concentrations ranged from 10.7 ug/L (sampling round #1) to 49.5 ug/L (sampling round #23) in 2567-MW5.

Manganese was detected at concentrations exceeding the GWQC of 50 ug/L in four rounds of sampling collected at six monitoring well locations. Concentrations ranged from 56.4 ug/L (sampling round #4) in 2567-MW5 to 271.8 ug/L (sampling round #3) in 2567-MW2.

Sodium was detected at concentrations exceeding the GWQC of 50,000 ug/L in two rounds of sampling collected at two monitoring well locations. Concentrations ranged from 51,200 ug/L (Low Flow #1) in 2567-MW1 to 98,300 ug/L (Low Flow #1) in 2567-MW2.

5.2 Groundwater Geoprobe® Point Sampling Results

This section presents a discussion of the results of laboratory analyses performed for the groundwater samples collected in February and April 2004 from the seven Geoprobe® points (GW-1, GW-2, GW-3, W-1, W-2, W-3 and W-4) at Site 2567. The groundwater samples were collected and analyzed for VOCs plus 15 TICs.

As discussed in **Section 2.4.2**, Fort Monmouth is underlain by a Class III-A aquifer. The appropriate groundwater quality criteria for Class III-A are the criteria for the most stringent classification for vertically or horizontally adjacent ground waters that are not Class III-A (NJAC 7:9-6.7e). The NJDEP criteria used for comparison of groundwater analytical results were the higher of the PQLs and the NJDEP GWQC for Class II-A aquifers (NJAC 7:9-6, Table 1). Analytes detected in Geoprobe® point groundwater samples at Site 2567 at concentrations above the NJDEP criteria are bold and highlighted in **Table 5-2**. The chain-of-custody forms for groundwater Geoprobe® point samples and laboratory data sheets are provided in **Appendix H**. **Figure 5-1** shows the distribution of COCs for groundwater within the area of Site 2567.

During the one sampling event, a total of two VOCs, MTBE and TBA, were detected in site groundwater at concentrations below their respective GWQC in at least one sample.

5.3 Potential COCs

In order to determine the contaminants of concern at Site 2567, the first step was to identify exceedences of the NJDEP criteria. These exceedences are presented in **Section 5.1** and **Section 5.2** above and in **Table 5-1** and **Table 5-2**. There were several factors that were used to eliminate or identify analytes as COCs. These factors include the magnitude and frequency of the exceedences, comparisons to low-flow sampling results (for metals only) and comparisons to established background concentrations. **Table 5-3** summarizes the process used to identify contaminants of concern at Site 2567.

There were four VOCs (benzene, methylene chloride, MTBE and TBA) that were detected in groundwater at concentrations exceeding the GWQC. Of the four VOCs detected above the NJDEP GWQC, three are considered to be uncharacteristic (benzene, MTBE and TBA), as discussed below:

- Benzene has not been detected in monitoring wells at Site 2567 above its NJDEP criteria of 1.0 ug/L since May 1999 and it has not been detected at all in monitoring wells since July 1999. Benzene was not detected in any of the Geoprobe® points. Although benzene was identified as a contaminant at Site 2567 in the 1995 Weston SI and closure report, due to the magnitude and frequency of its exceedences, benzene is no longer considered to be a COC.
- Methylene chloride exceeded the NJDEP criteria of 3.0 ug/L in only one groundwater monitoring well sample collected at Site 2567 since April 1997 and is therefore not considered to be a COC.
- MTBE has not been detected in groundwater samples at Site 2567 at concentrations exceeding its GWQC since June 1998. MTBE was not detected in any of the Geoprobe® points at concentrations exceeding its GWQC. Although MTBE was identified as a contaminant at Site 2567 in the 1995 Weston SI and closure report, due to the magnitude and frequency of its exceedences, MTBE is no longer considered to be a COC.
- TBA was detected above the NJDEP criteria of 100 ug/L during 23 rounds of sampling conducted at monitoring well 2567-MW1. TBA was also detected above the NJDEP criteria of 100 ug/L during one round of groundwater sampling at monitoring well 2567-MW3 (in August 1997). TBA was detected in one of the seven Geoprobe® points at a concentration below its GWQC. Based on these results, TBA is determined to be a COC at Site 2567.

There were no SVOCs detected at concentrations exceeding the GWQC, and therefore no SVOCs are considered COCs at Site 2567. In addition, there are no pesticides or PCBs considered to be COCs at Site 2567 because none were detected in groundwater samples at the site.

There were five metals that were detected in site groundwater at concentrations exceeding the NJDEP GWQC (aluminum, iron, lead, manganese and sodium). The specific exceedences and the identification of each of these metals as a potential contaminant of concern are discussed below. As presented in the Weston SI Report (1995), several natural and man-made factors contribute to the wide range in concentrations of metals in soils, which further impact the concentration of metals in groundwater. Soils derived from the glauconitic sands contain abundant aluminum, calcium, potassium, iron, magnesium and manganese (among others), which are likely to be present at elevated concentrations in the groundwater, particularly when sediments are entrained in the collected groundwater samples. A low-flow sampling methodology was proposed for use by the DPW and accepted by the NJDEP to assess the impact of suspended sediments on the dissolved phase metals concentrations at the site. Using a low-flow sampling methodology to reduce the presence of suspended sediment yielded substantial reductions in the dissolved phase concentrations of metals, particularly for the constituents regarded as “non-native” (e.g., arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, vanadium). Significant decreases in the concentrations of naturally occurring metals have been observed when the low-flow sampling procedure was used prior to analysis, including the results for aluminum, barium, calcium, copper, iron, magnesium, manganese, nickel, potassium,

sodium and zinc. However, the native metal constituents (e.g., those indigenous to the soil types present at Fort Monmouth) were consistently present in the groundwater, even when the low-flow sampling methodology was employed.

The five different metals that were detected in site groundwater at concentrations exceeding the NJDEP GWQC are distinguished into background and non-native metals. The indigenous metals are compared to the Main Post Maximum Background Concentrations (MBC) identified in the Weston SI Report (1995), which are presented in **Tables 5-1** and **5-3**. The non-native metals are discussed in relation to the NJDEP GWQC only.

Of the five metals detected in site groundwater that exceed the NJDEP cleanup criteria, four metals (aluminum, iron, manganese and sodium) are common background constituents in Monmouth County soils. The water chemistry in areas underlain by glauconitic sediments (such as Red Bank, Tinton and Hornerstown Sands) is dominated by calcium, magnesium, manganese, aluminum and iron. Elevated concentrations of these metals are routinely observed in groundwater samples collected at Fort Monmouth. In consideration of these facts, the groundwater analytical results for these eight metals were compared to their respective MBCs of 121,000 ug/L (aluminum), 431,000 ug/L (iron), 331 ug/L (manganese), and 21,500 ug/L (sodium). Aluminum, iron and manganese are not considered to be COCs because these metals did not exceed their respective MBC. Sodium is not considered to be a COC due to the proximity of Site 2567 to sea water.

There was one non-native metal that exceeded its GWQC (lead). Lead is not considered to be a COC at Site 2567 because there were only seven exceedences of NJDEP criteria in groundwater samples collected at two monitoring well locations.

Two separate rounds of sampling (May 31 to June 5, 2001, and June 25-26, 2001) were performed during the groundwater sampling program using the low-flow groundwater sampling technique as discussed in **Section 3.2.1**. This technique was used to determine if the detected metal concentrations observed in the groundwater samples are a function of entrained sediments suspended in the groundwater during the course of well purging and sampling activities, or an accurate representation of dissolved phase aquifer/groundwater conditions. Since the five metals detected above the GWQC at Site 2567 were not considered to be COCs through other reasons (as discussed above), the low-flow sample results do not affect the determination of the COCs.

Based on the magnitude of the exceedences, the frequency of occurrences and the wide-ranging results, one VOC (TBA) is identified as potential COC at Site 2567 and is given further consideration with regard to contaminant migration potential in **Section 6.0** of this RIR. No other potential COCs were identified at Site 2567.

5.4 Dissolved Oxygen

During each of the monitoring well sampling rounds, the DO of the groundwater was recorded prior to sampling. The average DO ranged from 1.85 mg/L in well 2567-MW7

to 3.31 in well 2567-MW5. The aquifer DO measurements for groundwater sampling rounds between April 1997 and January 2004 are shown in **Table 5-4**. The DO measurements are included in the laboratory data packages. The aquifer DO is discussed in more detail in **Section 6.1.3**.

6.0 CONTAMINANT MIGRATION AND GROUNDWATER USE DESIGNATION

As discussed above, there was one identified COCs in groundwater at Site 2567: TBA. The possible migration and degradation of this COC is discussed below.

Section 6.1 presents a groundwater model that addresses TBA biodegradation and migration at Site 2567. Predictions for the migration and change in TBA concentration over time are based on the most recent groundwater sampling results for TBA at Site 2567 and published biodegradation rates for TBA in groundwater. These model results are presented graphically and in tabular form.

Following the discussion of the groundwater migration model for Site 2567, **Section 6.2** presents the results of the sensitive receptor survey. A discussion of appropriate aquifer classification is provided in **Section 6.3**. The findings of the contaminant migration model and groundwater use designation are summarized in **Section 6.4**.

6.1 Groundwater Model Development

The parameters used in the groundwater flow model were based on Fort Monmouth survey data, published literature covering the hydrogeology of the region, as well as field measurements of groundwater elevation at the site (discussed in **Section 4.2**). A biodegradation spreadsheet model was used to predict the decay and contaminant transport of TBA at Site 2567. The biodegradation model incorporates the effects of horizontal groundwater flow, biodegradation and retardation.

6.1.1 Conceptual Site Model

Land surface at the Charles Wood Area is mostly flat with some moderate slopes, with elevation ranging from 20 feet amsl in the northeast to 60 feet amsl in the southwest. Site 2567 is located approximately 200 feet north of an unnamed tributary/drainage to Wampum Brook (**Figure 2-2**), which flows eastward into Wampum Brook. The USGS topographic map (**Figure 2-1**) shows that the land surface of the site is relatively flat with an elevation of approximately 30 feet amsl. Surface water runoff from Site 2567 is likely to flow south along Hope Road and into the unnamed tributary to Wampum Brook identified in **Figure 2-2**.

As discussed in **Section 2.4.1**, the geologic formations that outcrop at the Charles Wood Area of Fort Monmouth include the Tinton and Red Bank Sands, as well as the Hornerstown Formation. These formations, 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 6-1.**

As discussed in **Section 4.1**, the lithology encountered at Site 2567 consists primarily of fill material, fine sand, silt and clay. The well borings in the paved area of Site 2567 (2567-MW1 through 2567-MW4) encountered fill with a maximum depth ranging from 4

to 9 feet bgs. The fill consisted of light orange and light green sand. The native material encountered in the well borings consisted of brown, green and black clay, silt and fine sand, as well as gray sand with well-rounded gravel. The lithology of the native material is consistent with the Tinton Sand (Minard, 1969).

As discussed in **Section 4.2**, groundwater was encountered in the seven monitoring wells at Site 2567 at depths ranging from 1.69 to 12.20 feet bgs. The groundwater underlying Site 2567 appears to be consistently flowing to the southeast with a gradient of approximately 0.02 feet per foot.

6.1.2 Biodegradation Model

A Microsoft Excel spreadsheet (**Table 6-1**) was used to predict the biodegradation and migration of TBA at Site 2567. The biodegradation model incorporates the effects of horizontal groundwater flow, first-order biodegradation and retardation. The results of this biodegradation model are discussed with respect to possible offsite migration of the TBA at Site 2567. The model results were used to explain groundwater sample results for the one identified COC at Site 2567.

As discussed in **Section 5.1**, TBA was detected in well 2567-MW1 during 23 of the 30 rounds of sampling at concentrations in excess of the NJDEP criteria of 100 ug/L at concentrations ranging from 143.26 ug/L to 1,488.05 ug/L. In one round of sampling (sampling round #5), TBA was detected below the NJDEP criteria of 100 ug/L in well 2567-MW1 at a concentration of 95.63 ug/L. TBA was also detected above the NJDEP criteria of 100 ug/L in well 2567-MW3 in only one round (940 ug/L in sampling round #2). Due to the infrequent occurances of TBA in well 2567-MW3, the biodegradation model does not address TBA contamination at this well. TBA was not detected in the other five wells sampled during the 30 rounds of groundwater samples collected and analyzed from Site 2567.

Due to the lack of a decreasing trend in the TBA detections in well 2567-MW1, a site-specific decay rate for TBA was not calculated. Instead, the first-order, aerobic decay constant of 0.0019 (1/day) was obtained from published results (high value listed in Howard, 1991) and used in the model. This published decay constant corresponds to a half-life of 365 days.

6.1.3 Dissolved Oxygen

The aerobic biodegradation of the COCs at Site 2567 is justified based on analysis of the DO observed during monitoring well sampling at Site 2567. During each sampling event at each well, DO was recorded while the wells were being purged. **Table 5-4** shows the DO measurements for the monitoring wells at Site 2567 during sampling events between April 1997 and January 2004.

Aerobic respiration is the first reaction in an aerobic environment that contains microorganisms capable of biodegradation (Wiedemeir, 1999). Once the available DO is depleted and anaerobic conditions dominate the interior regions of the organic contaminant plume, anaerobic microorganisms can utilize other electron acceptors in the

following order of preference: nitrate, manganese, iron (III), sulfate and finally, carbon dioxide. As each electron acceptor being utilized for biodegradation becomes depleted, the next most preferable electron acceptor is utilized. Each successive redox couple provides less energy to the microorganism.

Aerobic degradation requires the presence of DO. If the subsurface environment becomes devoid of oxygen, the rate of aerobic biodegradation will typically be limited by oxygen supply rather than by nutrient concentration. For anaerobic biodegradation the microbial competition ultimately will determine the dominant process, but the dominant process can vary both temporally and spatially. Therefore, either iron (III) reduction, sulfate reduction or methanogenesis may dominate depending on seasonal variations in concentrations of DO and sulfate.

Using stoichiometry, a utilization factor can be developed showing the ratio of the oxygen consumed to the mass of DO consumed in the biodegradation reactions. Similarly, utilization factors can be developed to show the ratio of the mass of metabolic by-products (such as ferrous iron) that are generated to the mass of dissolved organic degraded in the biodegradation reactions. When the available electron acceptor/by-product concentrations are divided by the appropriate utilization factor, an estimate of the biodegradation capacity of the ground water flowing through the source zone and plume can be developed as follows:

Biodegradation Capacity (mg/L) =

{(Average Upgradient Electron Acceptor Concentration) -
(Minimum Plume Zone Electron Acceptor Concentration)} / Utilization Factor

The upgradient well used in the calculation of Biodegradation Capacity is well 2567-MW2. The plume zone is assumed to be located in the vicinity of well 2567-MW1. The following utilization factors and site biodegradation capacity, based on the degradation of benzene, MTBE and TBA, are calculated for Site 2567:

Contaminant of Concern	Upgradient Well	Average Upgradient Dissolved Oxygen (mg/L)	Plume Zone Well	Minimum Plume Zone Dissolved Oxygen (mg/L)	Utilization Factor	Site Biodegradation Capacity (mg/L)
Aerobic Biodegeradation of Benzene: $C_6H_6 + 7.5O_2 \rightarrow 6CO_2 + 3H_2O$						
Benzene	2567-MW2	4.04	2567-MW3	1.00	3.08	0.98
Aerobic Biodegeradation of MTBE: $C_5H_{12}O + 7.5O_2 \rightarrow 5CO_2 + 6H_2O$						
MTBE	2567-MW2	4.04	2567-MW3	1.00	2.73	1.11
Aerobic Biodegeradation of TBA: $C_4H_{10}O + 6O_2 \rightarrow 4CO_2 + 5H_2O$						
TBA	2567-MW2	4.04	2567-MW1	1.40	0.385	6.85

The highest concentration of TBA detected at well 2567-MW1 (in February 2001) was 1,488.05 ug/L (=1.48805 mg/L). Based on the calculations presented in the preceding table and on site observations, groundwater has enough biodegradation capacity to degrade dissolved-phase TBA, if aerobic reactions are occurring at Site 2567.

6.1.4 Model Results and Discussion

The TBA biodegradation model parameters and results for well 2567-MW1 is presented in **Table 6-1**. At monitoring well 2567-MW1, the initial TBA concentration was measured to be 1,488.05 ug/L on February 9, 2001. This concentration led to a predicted time of 3.9 years for compliance with the NJDEP criteria (100 ug/L). The migration distance of TBA from well 2567-MW1 is predicted to be 1,800 feet. The predicted TBA concentration at well 2567-MW1 is shown in **Figure 6-2**. **Figure 6-3** displays the area that is estimated to be impacted by future TBA migration.

The model predictions for TBA do not match observations of TBA concentrations in groundwater at Site 2567. If the TBA contamination will migrate approximately 1,800 feet in 3.9 years, as predicted in the biodegradation model, TBA should have already migrated to one of the three downgradient monitoring wells 2567-MW5, 2567-MW6 or 2567-MW7. However, TBA was not detected in any of these three monitoring wells in any of the sampling rounds presented in this RIR (see **Table 5-1**), and was also not detected in samples collected at well 2567-MW5 between May 1995 and April 1997. Additionally, TBA was not detected in six of seven groundwater Geoprobe® sampling points. Therefore, it appears that no significant migration of TBA has occurred at Site 2567.

6.2 Sensitive Receptor Survey Results

The sensitive receptor survey was completed by performing two tasks: an Offsite Receptor Report and an NJDEP well record search.

Offsite Receptor Report

An Offsite Receptor Report (dated October 24, 2001) was prepared for Site 2567 by EDR of Southport, Connecticut. A copy of the Offsite Receptor Report, identifying sensitive receptors in the area, is provided in **Appendix J**.

The Offsite Receptor Report indicates that there are seven schools and one daycare facility located within a one-mile of Site 2567. The seven schools were located between ½ and 1 mile from Site 2567. The day care facility is located approximately ½ mile south of Site 2567 and approximately ¼ mile south of Wampum Brook.

Well Record Search

A search of the comprehensive well database maintained by the NJDEP Well Permitting and Regulations Section of the Bureau of Water Allocation was performed by Versar to identify groundwater wells that may be potentially affected by contaminant migration at Site 2567. The search was performed for a one-mile radius surrounding the central point of Site 2567.

The well records obtained during the Well Search are provided in **Appendix K** and are summarized in **Table 6-2**. The wells designated for domestic or irrigation uses are presented in **Figure 6-4**. The migration distance of 1,800 feet, which is discussed above, was used as a basis for comparison. There were no domestic wells identified by records within 1,800 feet of Site 2567 with the following exception (though actual water use and physical presence were not verified):

NJDEP Permit #2919540
Permit Date: 11/9/87
Location: N40°17'33" W74°04'53"
Depth of well: 200 feet
Approximate distance from site: 1,400 feet (southwest)

Due to the significant distance of this one sensitive receptor to Site 2567, as well as the south to southeasterly groundwater flow direction from Site 2567, the concern for this groundwater receptor is minimal. The probability that any well in the vicinity of the site is being used for consumptive purposes is low, thus minimizing health-based risks associated with ingestion. Therefore, no sensitive receptors are likely to be impacted by the presence of COCs in the groundwater beneath Site 2567.

6.3 Aquifer Classification

Upon review of the NJDEP Groundwater Quality Standards (NJAC 7:9-6), January 7, 1993, Site 2567 is found to be underlain by a Class III-A aquifer. The primary designated use for Class III-A ground water is the release or transmittal of groundwater to adjacent classification areas and surface water, as relevant. Secondary designated uses in Class III-A include any reasonable uses. For an area to be classified as a Class III-A aquifer, the 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 aquifer must be at least 50 feet
  - Typical hydraulic conductivity of a Class III-A aquifer is approximately 0.1 feet/day or less
  - The aereal extent defined as Class III-A must be at least 100 acres.

The shallow aquifer at Site 2567 meets each of the four criteria listed above. These criteria are discussed below:

- The Charles Wood Area of Fort Monmouth is located within the outcrop area of the Composite Confining Unit (Martin, 1998), which includes the Red Bank Sand, Tinton Sand, Vincentown Formation, Manasquan Formation, Shark River

Formation, Piney Point Formation and the basal clay of the Kirkwood Formation (see **Section 2.4.2**). The thickness of the Composite Confining Unit in the vicinity of Fort Monmouth is approximately 125 feet.

- Published hydraulic conductivities (Martin, 1998) for the Composite Confining Unit yield a geometric mean of 0.12 feet per day, which is consistent with an aquitard.
- The Charles Wood area of Fort Monmouth is greater than 100 acres.

6.4 Contaminant Migration Summary

TBA was identified as the only COC in groundwater at Site 2567 using the NJDEP GWQC for Class II-A aquifers. The Class II-A criteria were used for comparison with site-specific data obtained from the various sampling rounds because the GWQS (NJAC 7:9-6.7e) state that the groundwater quality criteria to be used for Class III-A aquifers are the most stringent criteria associated with vertically or horizontally adjacent groundwaters that are not Class III-A.

Groundwater modeling and a sensitive receptor survey were conducted to determine whether groundwater from Site 2567 could impact surface water, off-site domestic wells and the subsurface groundwater aquifers. The groundwater modeling shows the impact of TBA migration in groundwater will be minimal. The results of the groundwater modeling (**Section 6.1**) and sensitive receptor survey (**Section 6.2**) are summarized below:

- The surface waters nearest to Site 2567 are the unnamed tributary to Wampum Brook and Wampum Brook. Using published biodegradation rates for TBA, the biodegradation model predicts that the TBA will degrade at well 2567-MW1 within 3.9 years. However, because downgradient sampling did not detect TBA, impacts to surface water are not expected.
- The sensitive receptor survey indicates that the closest downstream domestic well is approximately 1,400 feet southwest of the site, which is too far off the predicted groundwater flow direction to be impacted by COC migration.
- The risk of impacts to human health or to domestic animals associated with the ingestion of the TBA is negligible. It is unlikely that the well in the vicinity of the site is used for consumptive purposes due to poor overall water quality and low well yields. The potential migration of COCs from Site 2567 to this well in any reasonable time period is not possible.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Geologic publications show that Site 2567 is located within an aquitard (the Navesink-Hornerstown Confining Unit). The low hydraulic conductivity of the aquitard and the thickness of the aquitard at the site conform to the requirements of a Class III-A aquifer, as specified in the NJDEP GWQS (NJAC 7:9-6, January 7, 1993).

The analytical results for the groundwater samples collected between June 1997 and January 2004 indicate that TBA is a potential COC at Site 2567. The Class II-A criteria were used for comparison with site-specific data obtained from the various sampling rounds because the GWQS (N.J.A.C. 7:9-6.7e) state that the GWQC to be used for Class III-A aquifers are the most stringent criteria associated with vertically or horizontally adjacent groundwaters that are not Class III-A. Although previous investigations at Site 2567 did not address TBA as a potential COC, the current NJDEP interim groundwater criteria of 100 ug/L was used in reference to TBA concentrations in this RIR, and further remedial investigations should consider exceedences of this interim groundwater criteria.

Based on a review of the groundwater sampling results by the DPW and NJDEP, it appears that no significant migration of TBA has occurred at Site 2567. TBA degradation has the potential to occur at the site, based on the site results and the model. Continued monitoring of TBA degradation through monitored natural attenuation (MNA) is recommended at the site.

8.0 REMEDIAL ACTION WORKPLAN

The following sections present the RAWP for the remediation of the identified COC at Site2567: TBA. This RAWP was prepared in accordance with the applicable sections of NJDEP *Technical Requirements for Site Remediation* (February 2003), NJAC 7:26E, et seq. The remedial activities described in the RAWP will be performed by the DPW.

8.1 Description of Remedial Action Alternatives

Based on the findings of the previous RIR sections of this report, four general response actions were considered for implementation at Site 2567: No Action, Limited Action and MNA, *In-Situ* Active Restoration and *Ex-Situ* Active Restoration. Numerous remedial technologies were identified for each general response action, and process options of each remedial technology were screened based on effectiveness, implementability and cost. The remedial technology process options derived from the consideration of the general response actions yielded the following remedial action alternatives for further consideration: No Action, Limited Action with MNA, Limited Action with Enhanced Bioremediation and MNA and a Mass Extraction Pump-and-Treat System with MNA.

Alternative #1: No Action

A No Action alternative is evaluated to establish a baseline for the comparison of other remedial alternatives. Under this alternative, no remedial action will take place and there are no associated costs.

Alternative #2: Limited Action with MNA

A Limited Action with MNA alternative includes long-term monitoring of groundwater and surface water. No active treatment will be implemented to remove the COC from groundwater at the site under this alternative. Monitoring of groundwater and surface water for the natural attenuation of the COC will verify that the COC is naturally biodegrading and TBA levels are continually decreasing over time. This remedial action alternative will minimize capital and Operation and Maintenance (O&M) costs while effectively allowing COC concentrations to naturally degrade below action levels.

Alternative #3: Limited Action with Enhanced Bioremediation and MNA

A Limited Action with Enhanced Bioremediation and MNA alternative includes direct-push injections of Hydrogen Release Compound® (HRC®) and long-term monitoring of groundwater and surface water. The HRC® will be injected into the "hot-spot" areas of the site, accelerating the rate of biodegradation of the COC. Monitoring of groundwater and surface water for the natural attenuation of the COC will verify that the COC is naturally biodegrading and PCE levels are continually decreasing over time. This remedial action alternative has low capital costs and virtually zero O&M costs while effectively enhancing and accelerating the degradation of COC concentrations to below action levels.

Alternative #4: Mass Extraction Pump-and-Treat System with MNA

A Mass Extraction Pump-and-Treat System with MNA alternative includes powered machinery that actively pumps contaminated groundwater to an above-ground remediation facility and long-term monitoring of groundwater and surface water. The Mass Extraction Pump-and-Treat System degrades contamination levels in the above-ground facility and often returns the treated water to a nearby surface water body. Monitoring of groundwater and surface water for the natural attenuation of the COC will verify that the COC is naturally biodegrading and TBA levels are continually decreasing over time. This remedial action alternative typically requires extensive O&M costs, as well as high capital costs for equipment and site preparation.

8.2 Comparative Analysis of Remedial Action Alternatives

Each of the above alternatives was evaluated against a standard set of criteria, such as protection of human health and the environment, compliance with the NJDEP, short- and long-term effectiveness, permanence, reduction of toxicity, mobility or volume through treatment, implementability and cost.

Alternative #1: A No Action alternative takes no actions to eliminate, reduce or control exposure pathways, provides no short- or long-term effectiveness or permanence and does not comply with NJDEP criteria. This alternative is not appropriate for remediating COCs under current conditions at Site 2567.

Alternative #3: Limited Action with Enhanced Bioremediation and MNA alternatives are becoming increasingly popular due to their extremely low capital costs and non-existent O&M costs and their aggressive treatment of contaminant plumes. Not only are these remedial alternatives low in cost and active treatments, they are easily implemented, very effective in the short-term, not permanent and are accepted by the NJDEP. However, due to the low residual concentrations of COCs present at Site 2567, this alternative would not significantly impact COC levels at the site.

Alternative #4: A Mass Extraction Pump-and-Treat System with MNA is one of the most widely used groundwater remediation technologies. This remedial alternative is a very aggressive treatment approach with long-term effectiveness and permanence; however, this alternative is also difficult to implement, has low short-term effectiveness, is high is cost and often experiences unforeseen difficulties relating to the sorption of COCs to soil particles. The molecular nature of groundwater contaminants allows them to sorb to soil particles, which prevents the COCs from being effectively pumped out of the ground for treatment. Greater capital costs combined with protracted O&M costs, plus the high incidence of unexpected treatment difficulties and marginal efficiency, often lead to total project costs that exceed the initial estimates by an order of magnitude. Due to the low residual COC concentrations at Site 2567, this approach is not of appropriate cost and remediation strength for success at the site.

Alternative #2: A Limited Action with MNA alternative has been selected for Site 2567 based upon its appropriateness for remediation of the low residual concentrations of COCs present at the site in a time frame acceptable to the NJDEP. MNA is very low in

cost, and the low COC concentrations do not require a permanent alternative. This alternative is equally effective in the short- and long-term, is easy to implement and can attain compliance with NJDEP criteria. Historical groundwater sampling results at Site 2567 indicate that natural attenuation is occurring at an acceptable rate. The specifics of the MNA remedial action are discussed below.

8.3 Approach

The following sections provide details of the approach the DPW will use to perform this remedial action.

8.3.1 Monitored Natural Attenuation

The long-term monitoring program at Fort Monmouth includes semi-annual groundwater monitoring and quarterly surface water sampling at strategic locations. Continued groundwater and surface water monitoring at Site 2567 is recommended.

Quarterly groundwater sampling at Site 2567 will include groundwater samples collected from monitoring wells 2567-MW1, 2567-MW2, 2567-MW3, 2567-MW4, 2567-MW5, 2567-MW6 and 2567-MW7. The groundwater samples collected from these monitoring wells will be analyzed by the FMETL for VOCs plus 15 TICs. NJDEP GWQC for the identified COC should be used for comparison to groundwater sampling results. A remedial action progress report will be submitted annually. The following table summarizes the groundwater sampling program at Site 2567.

Monitoring Well	Analyzed for	Future Sampling Status
2567-MW1	VOCs	Continue Quarterly Sampling
2567-MW2	VOCs	Continue Quarterly Sampling
2567-MW3	VOCs	Continue Quarterly Sampling
2567-MW4	VOCs	Continue Quarterly Sampling
2567-MW5	VOCs	Continue Quarterly Sampling
2567-MW6	VOCs	Continue Quarterly Sampling
2567-MW7	VOCs	Continue Quarterly Sampling

8.3.2 Quality Assurance Project Plan (QAPP)

Field sampling activities will be conducted in accordance with the NJDEP Field Sampling Manual. The FMETL will conduct all analyses in accordance with the New Jersey Laboratory Certification Program.

Quality control samples will be collected to assure that data developed during sampling are comparable to, or are of greater quality than, prior data collected at the site. Quality control samples for this project include trip blanks, field blanks and duplicate samples. One trip blank will be included with each sample shipment; one field blank will be taken each day that sampling is performed. Duplicate samples are to be collected at a rate of one duplicate sample for every 20 samples; therefore, one duplicate sample is required for every round of samples submitted to the FMETL for analysis. The FMETL will conduct internal auditing procedures according to their established Quality Assurance Manual.

All samples will be placed in laboratory-supplied bottles and placed on ice upon collection to assure samples are maintained below 4°C. Proper chain-of-custody procedures will be followed, tracking the samples from collection through analysis and reporting.

8.3.3 Remedial Action Progress Report (RAPR)

An RAPR will be prepared one year after the completion of this RIR/RAWP in accordance with NJDEP *Technical Requirements for Site Remediation* (February 2003), NJAC 7:26E-6.6. The RAPR will include a summary of the remedial actions performed during the reporting period, an analysis of the semi-annual groundwater and surface water sampling results collected during the reporting period, conclusions about the effectiveness of the MNA program, and the trends of the COC and recommendations concerning further action at Site2567.

8.4 Project Organization

The Contracting Officer's Representative (COR) for this project is Mr. Dinker Desai, who is responsible for all procurement and change orders. Mr. Doug Guenther can provide technical site guidance as requested by the contractor. Any variance to the NJDEP *Technical Requirements for Site Remediation* (February 2003), NJAC 7:26E, et seq. will be communicated to the NJDEP immediately. No variance to the NJDEP regulations will be permitted unless approved by the NJDEP Case Manager, Mr. Greg Zalaskus.

8.5 Site Specific Health and Safety Plan (SSHSP)

The SSHSP will be prepared, as required by NJDEP *Technical Requirements for Site Remediation* (February 2003), NJAC 7:26E, et seq., and adhered to as part of the remediation activities.

8.6 Effectiveness Analysis and Certification

The effectiveness of this remedial action will be assured through an evaluation of the quarterly groundwater sampling analytical results. This analysis will be performed as discussed in **Section 8.2.1**.

8.7 Remedial Action Costs

The estimated costs for implementation of the remedial action to be performed at Site 2567 are provided below:

Estimated Costs of Remedial Actions to be Performed at Site 2567 (per year)	
TASK	**ESTIMATED COSTS**
1. Total Labor Cost	$ 3,200
2. Laboratory costs	$ 5,700
3. Data analysis and Progress Report	$ 8,700
TOTAL ESTIMATED COSTS	$ 17,600
TOTAL ESTIMATED COST TO CLOSURE	$ 91,000

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TABLES

Table 2-1
Well Construction Summary
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

Well ID	NJDEP Permit Number	Northing	Easting	Elevation of Inner Casing Survey Mark	Elevation of Ground Surface	Hole Diameter	Total Depth of Well	Depth to Top of Screen	Screen Length	Screen Diameter	Screen Material	Date of Construction
Units	**--**	**ft**	**ft**	**ft (amsl)[1]**	**ft (amsl)[1]**	**in**	**ft (bgs)[2]**	**ft (bgs)[2]**	**ft**	**in**	**--**	**--**
2567-MW1	29-26925	532956.749	609537.780	33.93	34.14	10	13.0	3.0	10.0	4.0	10 Slot PVC	9/31/91
2567-MW2	29-26926	533016.726	609468.755	35.26	35.28	10	13.0	3.0	10.0	4.0	10 Slot PVC	10/1/91
2567-MW3	29-26947	532939.317	609472.358	33.88	33.94	10	13.0	3.0	10.0	4.0	10 Slot PVC	10/1/91
2567-MW4	29-26948	533042.700	609544.264	33.51	33.64	10	12.0	2.0	10.0	4.0	10 Slot PVC	9/31/91
2567-MW5	29-31783	532871.131	609697.518	34.99	31.83	8	12.5	2.5	10.0	4.0	20 Slot PVC	9/23/94
2567-MW6	29-42585	532869.379	609542.569	35.10	32.86	8	13.0	3.0	10.0	4.0	10 Slot PVC	5/12/00
2567-MW7	29-42586	532879.489	609473.420	36.34	33.41	8	13.0	3.0	10.0	4.0	10 Slot PVC	5/12/00

Notes:

[1]amsl = above mean sea level

[2]bgs = below ground surface

Where a difference in reported data exists between a monitoring well permit and the corresponding boring log, data from the permit was used.

The wells presented in this table were installed by the Department of Public Works (DPW) at Fort Monmouth, New Jersey.

NA = Not available

Well locations were recorded using Trimble GPS equipment in August 2001.

Table 3-1
Groundwater Monitoring Well Sample Collection Summary
Site 2567
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
1	2446.01	Trip Blank	04/11/97	04/22/97	aqueous	Blank	VOCs +15	Method 624
	2446.02	Field Blank	04/11/97	04/22/97	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	2446.03	2567-MW4	04/11/97	04/22/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2446.04	2567-MW5	04/11/97	04/22/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2446.05	2567-MW2	04/11/97	04/22/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2446.06	2567-MW1	04/11/97	04/22/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2446.07	2567-MW3	04/11/97	04/22/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2446.08	Duplicate	04/11/97	04/22/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
2	2940.01	Trip Blank	08/28/97	09/02/97	aqueous	Blank	VOCs +15	Method 624
	2940.02	Field Blank	08/28/97	09/02/97	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	2940.03	2567-MW5	08/28/97	09/02/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2940.04	2567-MW2	08/28/97	09/02/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2940.05	2567-MW4	08/28/97	09/02/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2940.06	2567-MW3	08/28/97	09/02/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2940.07	2567-MW1	08/28/97	09/08/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2940.08	Duplicate	08/28/97	09/08/97	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
3	3188.01	Trip Blank	12/02/97	12/05/97	aqueous	Blank	VOCs +15	Method 624
	3188.02	Field Blank	12/02/97	12/05/97	aqueous	Blank	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3188.03	2567-MW2	12/02/97	12/05/97	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3188.04	2567-MW4	12/02/97	12/05/97	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3188.05	2567-MW5	12/02/97	12/06/97	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3188.06	2567-MW1	12/02/97	12/06/97	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3188.07	2567-MW3	12/02/97	12/06/97	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3188.08	Duplicate	12/02/97	12/10/97	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
4	3381.01	Trip Blank	03/04/98	03/06/98	aqueous	Blank	VOCs +15	Method 624
	3381.02	Field Blank	03/04/98	03/06/98	aqueous	Blank	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3381.03	2567-MW1	03/04/98	03/06/98	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3381.04	2567-MW2	03/04/98	03/06/98	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3381.05	2567-MW3	03/04/98	03/06/98	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3381.06	2567-MW4	03/04/98	03/06/98	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3381.07	Duplicate	03/04/98	03/06/98	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	3381.08	2567-MW5	03/04/98	03/06/98	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
5	3605.01	Trip Blank	06/01/98	06/02/98	aqueous	Blank	VOCs +15	Method 624
	3605.02	Field Blank	06/01/98	06/02/98	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3605.03	2567-MW1	06/01/98	06/02/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3605.04	2567-MW2	06/01/98	06/02/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3605.05	2567-MW3	06/01/98	06/02/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3605.06	2567-MW4	06/01/98	06/02/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3605.07	2567-MW5	06/01/98	06/02/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3605.08	Duplicate	06/01/98	06/02/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
6	3912.01	Trip Blank	09/24/98	10/05/98	aqueous	Blank	VOCs +15	Method 624
	3912.02	Field Blank	09/24/98	09/29/98	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3912.03	2567-MW4	09/24/98	09/29/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3912.04	2567-MW2	09/24/98	09/29/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3912.05	2567-MW1	09/24/98	09/29/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3912.06	Duplicate	09/24/98	09/29/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3916.01	Field Blank	09/25/98	10/06/98	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3916.02	2567-MW3	09/25/98	09/29/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3916.03	2567-MW5	09/25/98	09/29/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B

Notes:
GW : Groundwater
TAL metals : Target Analyte List metals
VOCs+15: Volatile Organic Compounds plus 15 tentatively identified compounds (TICs)
SVOCs+15: Semi-Volatile Organic Compounds plus 15 TICs
*Low Flow Sampling Method was used to collect sample

Table 3-1
Groundwater Monitoring Well Sample Collection Summary
Site 2567
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
7	4144.01	Trip Blank	12/16/98	12/28/98	aqueous	Blank	VOCs +15	Method 624
	4144.02	Field Blank	12/16/98	12/28/98	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	4144.03	2567-MW1	12/16/98	12/28/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4144.04	2567-MW2	12/16/98	12/28/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4144.05	2567-MW3	12/16/98	12/28/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4144.06	2567-MW4	12/16/98	12/28/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4144.07	2567-MW5	12/16/98	12/28/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4144.08	Duplicate	12/16/98	12/28/98	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
8	4296.01	Trip Blank	02/24/99	02/26/99	aqueous	Blank	VOCs +15	Method 624
	4296.02	Field Blank	02/24/99	02/26/99	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	4296.03	2567-MW1	02/24/99	02/26/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4296.04	2567-MW2	02/24/99	02/26/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4296.05	2567-MW3	02/24/99	02/26/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4296.06	2567-MW4	02/24/99	02/27/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4296.07	2567-MW5	02/24/99	02/27/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4296.08	Duplicate	02/24/99	02/27/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
9	4524.01	Trip Blank	05/29/99	06/03/99	aqueous	Blank	VOCs +15	Method 624
	4524.02	Field Blank	05/29/99	06/01/99	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	4524.03	2567-MW1	05/29/99	06/01/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4524.04	2567-MW2	05/29/99	06/01/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4524.05	2567-MW3	05/29/99	06/01/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4524.06	2567-MW4	05/29/99	06/01/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4524.08	Duplicate	05/29/99	06/01/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4535.01	2567-MW5	06/08/99	06/10/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
10	4635.01	Trip Blank	07/21/99	07/22/99	aqueous	Blank	VOCs +15	Method 624
	4635.02	Field Blank	07/21/99	07/22/99	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	4635.03	2567-MW1	07/21/99	07/22/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4635.04	2567-MW2	07/21/99	07/22/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4635.05	2567-MW3	07/21/99	07/22/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4635.06	2567-MW4	07/21/99	07/22/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4635.07	2567-MW5	07/21/99	07/22/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4635.08	Duplicate	07/21/99	07/22/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
11	4871.01	Trip Blank	10/21/99	10/25/99	aqueous	Blank	VOCs +15	Method 624
	4871.02	Field Blank	10/21/99	10/25/99	aqueous	Blank	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	4871.03	Duplicate	10/21/99	10/25/99	aqueous	GW	VOCs+15; SVOCs+25; Pesticides; PCBs; TAL metals	Method 624; Method 625; Method 608; Methods 3112B and 3120B
	4872.01	2567-MW1	10/21/99	10/25/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4872.02	2567-MW2	10/21/99	10/25/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4872.03	2567-MW3	10/21/99	10/25/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4872.04	2567-MW4	10/21/99	10/25/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4872.05	2567-MW5	10/21/99	10/26/99	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
12	5167.01	Trip Blank	02/14/00	02/16/99	aqueous	Blank	VOCs +15	Method 624
	5167.02	Field Blank	02/14/00	02/15/00	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	5167.03	Duplicate	02/14/00	02/15/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5167.04	2567-MW1	02/14/00	02/15/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5167.05	2567-MW2	02/14/00	02/15/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5167.06	2567-MW3	02/14/00	02/15/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5167.07	2567-MW4	02/14/00	02/15/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5167.08	2567-MW5	02/14/00	02/15/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B

Notes:
GW : Groundwater
TAL metals : Target Analyte List metals
VOCs+15: Volatile Organic Compounds plus 15 tentatively identified compounds (TICs)
SVOCs+15: Semi-Volatile Organic Compounds plus 15 TICs
*Low Flow Sampling Method was used to collect sample

Table 3-1
Groundwater Monitoring Well Sample Collection Summary
Site 2567
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
13	5417.01	2567-MW1	05/15/00	05/17/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5417.02	2567-MW2	05/15/00	05/17/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5417.03	2567-MW3	05/15/00	05/17/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5417.04	2567-MW4	05/15/00	05/17/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5417.05	2567-MW5	05/15/00	05/17/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5417.06	Trip Blank	05/15/00	05/17/00	aqueous	Blank	VOCs +15	Method 624
	5417.07	Field Blank	05/15/00	05/17/00	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	5417.08	Duplicate	05/15/00	05/17/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
14	5647.01	Trip Blank	08/22/00	08/31/00	aqueous	Blank	VOCs +15	Method 624
	5647.02	Field Blank	08/22/00	08/31/00	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	5647.03	Duplicate	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.04	2567-MW1	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.05	2567-MW2	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.06	2567-MW3	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.07	2567-MW4	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.08	2567-MW5	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.09	2567-MW6	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5647.10	2567-MW7	08/22/00	08/31/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
15	5825.01	Trip Blank	11/01/00	11/07/00	aqueous	Blank	VOCs +15	Method 624
	5825.02	Field Blank	11/01/00	11/07/00	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	5825.03	Duplicate	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.04	2567-MW1	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.05	2567-MW2	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.06	2567-MW3	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.07	2567-MW4	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.08	2567-MW5	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.09	2567-MW6	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	5825.10	2567-MW7	11/01/00	11/07/00	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
16	707	Trip Blank	02/09/01	02/10/01	aqueous	Blank	VOCs +15	Method 624
	708	Field Blank	02/09/01	02/10/01	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	709	Duplicate	02/09/01	02/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	710	2567-MW1	02/09/01	02/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	711	2567-MW2	02/09/01	02/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	712	2567-MW3	02/09/01	02/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	713	2567-MW4	02/09/01	02/12/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	714	2567-MW5	02/09/01	02/12/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	715	2567-MW6	02/09/01	02/12/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	716	2567-MW7	02/09/01	02/12/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
Low Flow #1	1615401	Field Blank	05/31/01	06/01/01	aqueous	Blank	TAL Metals	Method 3112B, 3120B
	1615405	Field Duplicate	05/31/01	06/01/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1615402	2567-MW05	05/31/01	06/01/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1615403	2567-MW04	05/31/01	06/01/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1615404	2567-MW01	05/31/01	06/01/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
Low Flow #1	1616801	Field Blank	06/05/01	06/05/01	aqueous	Blank	TAL Metals	Method 3112B, 3120B
	1616802	2567-MW3	06/05/01	06/05/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1616803	2567-MW2	06/05/01	06/05/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1616804	2567-MW7	06/05/01	06/05/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1616805	2567-MW6	06/05/01	06/05/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
Low Flow #2	1621101	Field Blank	06/25/01	06/25/01	aqueous	Blank	TAL Metals	Method 3112B, 3120B
	1621106	Field Duplicate	06/25/01	06/25/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621102	2567-MW1	06/25/01	06/25/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621105	2567-MW2	06/25/01	06/25/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621104	2567-MW3	06/25/01	06/25/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621103	2567-MW4	06/25/01	06/25/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
Low Flow #2	1621401	Field Blank	06/26/01	06/26/01	aqueous	Blank	TAL Metals	Method 3112B, 3120B
	1621405	Field Duplicate	06/26/01	06/26/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621404	2567-MW5	06/26/01	06/26/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621403	2567-MW6	06/26/01	06/26/01	aqueous	GW	TAL Metals	Method 3112B, 3120B
	1621402	2567-MW7	06/26/01	06/26/01	aqueous	GW	TAL Metals	Method 3112B, 3120B

Notes:
GW : Groundwater
TAL metals : Target Analyte List metals
VOCs+15: Volatile Organic Compounds plus 15 tentatively identified compounds (TICs)
SVOCs+15: Semi-Volatile Organic Compounds plus 15 TICs
*Low Flow Sampling Method was used to collect sample

Table 3-1
Groundwater Monitoring Well Sample Collection Summary
Site 2567
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
17	1610701	Trip Blank	05/08/01	05/16/01	aqueous	Blank	VOCs +15	Method 624
	1610702	Field Blank	05/08/01	05/16/01	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	1610703	Duplicate	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610704	2567-MW1	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610705	2567-MW2	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610706	2567-MW3	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610707	2567-MW4	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610708	2567-MW5	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610709	2567-MW6	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1610710	2567-MW7	05/08/01	05/16/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
18	1635601	Trip Blank	08/15/01	08/23/01	aqueous	Blank	VOCs +15	Method 624
	1635602	Field Blank	08/15/01	08/23/01	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	1635603	Duplicate	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635604	2567-MW1	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635605	2567-MW2	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635606	2567-MW3	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635607	2567-MW4	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635608	2567-MW5	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635609	2567-MW6	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1635610	2567-MW7	08/15/01	08/23/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
19	1657301	Trip Blank	11/09/01	11/10/01	aqueous	Blank	VOCs +15	Method 624
	1657302	Field Blank	11/19/01	11/10/01	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	1657303	Duplicate	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657304	2567-MW1	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657305	2567-MW2	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657306	2567-MW3	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657307	2567-MW4	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657308	2567-MW5	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657309	2567-MW6	11/19/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	1657310	2567-MW7	11/09/01	11/10/01	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
20	2011201	Trip Blank	02/26/02	03/04/02	aqueous	Blank	VOCs +15	Method 624
	2011202	Field Blank	02/26/02	03/04/02	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	2011203	Duplicate	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011204	2567-MW1	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011205	2567-MW2	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011206	2567-MW3	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011207	2567-MW4	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011208	2567-MW5	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011209	2567-MW6	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2011210	2567-MW7	02/26/02	03/04/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
21	2033101	Trip Blank	05/28/02	06/06/02	aqueous	Blank	VOCs +15	Method 624
	2033102	Field Blank	05/28/02	06/06/02	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	2033103	Duplicate	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033104	2567-MW1	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033105	2567-MW2	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033106	2567-MW3	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033107	2567-MW4	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033108	2567-MW5	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033109	2567-MW6	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2033110	2567-MW7	05/28/02	06/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
22	2058501	Trip Blank	08/20/02	08/22/02	aqueous	Blank	VOCs +15	Method 624
	2058502	Field Blank	08/20/02	08/22/02	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	2058503	Duplicate	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058504	2567-MW1	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058505	2567-MW2	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058506	2567-MW3	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058507	2567-MW4	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058508	2567-MW5	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058509	2567-MW6	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2058510	2567-MW7	08/20/02	08/22/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B

Notes:
GW : Groundwater
TAL metals : Target Analyte List metals
VOCs+15: Volatile Organic Compounds plus 15 tentatively identified compounds (TICs)
SVOCs+15: Semi-Volatile Organic Compounds plus 15 TICs
*Low Flow Sampling Method was used to collect sample

Table 3-1
Groundwater Monitoring Well Sample Collection Summary
Site 2567
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
23	2076201	Trip Blank	10/28/02	11/06/02	aqueous	Blank	VOCs +15	Method 624
	2076202	Field Blank	10/28/02	11/06/02	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	2076203	Duplicate	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076204	2567-MW1	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076205	2567-MW2	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076206	2567-MW3	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076207	2567-MW4	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076208	2567-MW5	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076209	2567-MW6	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	2076210	2567-MW7	10/28/02	11/06/02	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
24	3008301	Trip Blank	02/26/03	03/12/03	aqueous	Blank	VOCs +15	Method 624
	3008302	Field Blank	02/26/03	03/12/03	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3008303	Duplicate	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008304	2567-MW1	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008305	2567-MW2	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008306	2567-MW3	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008307	2567-MW4	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008308	2567-MW5	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008309	2567-MW6	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3008310	2567-MW7	02/26/03	03/12/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
25	3028301	Trip Blank	06/11/03	06/24/03	aqueous	Blank	VOCs +15	Method 624
	3028302	Field Blank	06/11/03	06/24/03	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3028303	Duplicate	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028304	2567-MW1	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028305	2567-MW2	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028306	2567-MW3	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028307	2567-MW4	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028308	2567-MW5	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028309	2567-MW6	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3028310	2567-MW7	06/11/03	06/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
26	3039701	Trip Blank	07/22/03	07/24/03	aqueous	Blank	VOCs +15	Method 624
	3039702	Field Blank	07/22/03	07/24/03	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3039703	Duplicate	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039704	2567-MW1	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039705	2567-MW2	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039706	2567-MW3	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039707	2567-MW4	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039708	2567-MW5	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039709	2567-MW6	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3039710	2567-MW7	07/22/03	07/24/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
27	3063401	Trip Blank	10/07/03	10/17/03	aqueous	Blank	VOCs +15	Method 624
	3063402	Field Blank	10/07/03	10/17/03	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	3063403	Duplicate	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063404	2567-MW1	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063405	2567-MW2	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063406	2567-MW3	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063407	2567-MW4	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063408	2567-MW5	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063409	2567-MW6	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	3063410	2567-MW7	10/07/03	10/17/03	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
28	4004301	Trip Blank	01/16/04	01/27/04	aqueous	Blank	VOCs +15	Method 624
	4004302	Field Blank	01/16/04	01/27/04	aqueous	Blank	VOCs+15; Lead	Method 624; Method 3113B
	4004303	Duplicate	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004304	2567-MW1	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004305	2567-MW2	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004306	2567-MW3	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004307	2567-MW4	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004308	2567-MW5	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004309	2567-MW6	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B
	4004310	2567-MW7	01/16/04	01/27/04	aqueous	GW	VOCs+15; Lead	Method 624; Method 3113B

Notes:
GW : Groundwater
TAL metals : Target Analyte List metals
VOCs+15: Volatile Organic Compounds plus 15 tentatively identified compounds (TICs)
SVOCs+15: Semi-Volatile Organic Compounds plus 15 TICs
*Low Flow Sampling Method was used to collect sample

Table 3-2
Geoprobe Groundwater Sample Collection Summary
Site 2567
Fort Monmouth, New Jersey

Round #	Sample ID	Monitoring Well ID	Date Collected	Date Analysis Started	Matrix	Sample Type	Analytical Parameters	Analysis Method
1	4008901	Trip Blank	02/02/04	02/06/04	aqueous	Blank	VOCs +15	Method 624
	4008902	Field Blank	02/02/04	02/06/04	aqueous	Blank	VOCs+15	Method 624
	4008903	GW-1	02/02/04	02/06/04	aqueous	GW	VOCs+15	Method 624
	4008905	GW-2	02/02/04	02/06/04	aqueous	GW	VOCs+15	Method 624
	4008906	GW-3	02/02/04	02/06/04	aqueous	GW	VOCs+15	Method 624
	4008904	Duplicate	02/02/04	02/06/04	aqueous	GW	VOCs+15	Method 624
	4031601	Trip Blank	04/30/04	05/06/04	aqueous	Blank	VOCs+15	Method 624
	4031602	Field Blank	04/30/04	05/06/04	aqueous	Blank	VOCs+15	Method 624
	4031603	W-1	04/30/04	05/06/04	aqueous	GW	VOCs+15	Method 624
	4031604	W-2	04/30/04	05/06/04	aqueous	GW	VOCs+15	Method 624
	4031606	W-3	04/30/04	05/06/04	aqueous	GW	VOCs+15	Method 624
	4031607	W-4	04/30/04	05/06/04	aqueous	GW	VOCs+15	Method 624
	4031605	Duplicate	04/30/04	05/06/04	aqueous	GW	VOCs+15	Method 624

Notes:
GW : Groundwater
VOCs+15: Volatile Organic Compounds plus 15 tentatively identified compounds (TICs)

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#: 1			2			3			4		
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	04/11/97	3.80	30.13	08/28/97	4.80	29.13	12/02/97	3.90	30.03	03/04/98	3.51	30.42
2567-MW2	35.26	04/11/97	3.40	31.86	08/28/97	4.30	30.96	12/02/97	3.45	31.81	03/04/98	2.92	32.34
2567-MW3	33.88	04/11/97	3.15	30.73	08/28/97	4.00	29.88	12/02/97	3.10	30.78	03/04/98	2.48	31.4
2567-MW4	33.51	04/11/97	2.55	30.96	08/28/97	3.20	30.31	12/02/97	2.45	31.06	03/04/98	2.11	31.4
2567-MW5	34.99	04/11/97	7.20	27.79	08/28/97	7.50	27.49	12/02/97	7.20	27.79	03/04/98	7.30	27.69
2567-MW6	35.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2567-MW7	36.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#:	5			5			6			7	
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	06/01/98	4.06	29.87	NS	NS	NS	09/24/98	5.21	28.72	12/09/98	4.90	29.03
2567-MW2	35.26	06/01/98	3.59	31.67	NS	NS	NS	09/24/98	12.20	23.06	12/09/98	3.42	31.84
2567-MW3	33.88	06/01/98	3.99	29.89	06/19/98	3.99	29.89	09/25/98	4.56	29.32	12/16/98	4.25	29.63
2567-MW4	33.51	06/01/98	2.33	31.18	06/19/98	2.33	31.18	09/24/98	3.55	29.96	12/12/98	3.11	30.4
2567-MW5	34.99	06/01/98	7.55	27.44	NS	NS	NS	09/25/98	7.59	27.4	12/16/98	7.34	27.65
2567-MW6	35.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2567-MW7	36.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#: 8			9			10			11		
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	02/24/99	3.75	30.18	05/29/99	4.20	29.73	07/21/99	5.48	28.45	10/21/99	4.03	29.9
2567-MW2	35.26	02/24/99	3.38	31.88	05/29/99	3.83	31.43	07/21/99	5.03	30.23	10/21/99	3.65	31.61
2567-MW3	33.88	02/24/99	3.16	30.72	05/29/99	3.55	30.33	07/21/99	4.85	29.03	10/21/99	3.93	29.95
2567-MW4	33.51	02/24/99	2.44	31.07	05/29/99	2.76	30.75	07/21/99	3.98	29.53	10/21/99	2.37	31.14
2567-MW5	34.99	02/24/99	8.16	26.83	06/08/99	7.33	27.66	07/21/99	7.87	27.12	10/21/99	8.57	26.42
2567-MW6	35.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2567-MW7	36.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#:	12			13			14			15	
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	02/14/00	3.31	30.62	05/15/00	4.04	29.89	08/22/00	3.87	30.06	11/01/00	4.24	29.69
2567-MW2	35.26	02/14/00	3.00	32.26	05/15/00	3.77	31.49	08/22/00	3.51	31.75	11/01/00	4.15	31.11
2567-MW3	33.88	02/14/00	3.42	30.46	05/15/00	3.40	30.48	08/22/00	3.17	30.71	11/01/00	3.56	30.32
2567-MW4	33.51	02/14/00	1.69	31.82	05/15/00	2.65	30.86	08/22/00	2.49	31.02	11/01/00	2.91	30.6
2567-MW5	34.99	02/14/00	5.75	29.24	05/15/00	6.92	28.07	08/22/00	6.73	28.26	11/01/00	7.16	27.83
2567-MW6	35.10	NS	NS	NS	NS	NS	NS	08/22/00	7.06	28.04	11/01/00	7.26	27.84
2567-MW7	36.34	NS	NS	NS	NS	NS	NS	08/22/00	6.65	29.69	11/02/00	6.80	29.54

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#:	16			Low Flow 1			Low Flow 2			17	
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	02/09/01	3.30	30.63	02/09/01	3.30	30.63	02/09/01	3.30	30.63	05/08/01	4.15	29.78
2567-MW2	35.26	02/09/01	2.75	32.51	02/09/01	2.75	32.51	02/09/01	2.75	32.51	05/08/01	3.95	31.31
2567-MW3	33.88	02/09/01	2.50	31.38	02/09/01	2.50	31.38	02/09/01	2.50	31.38	05/08/01	3.40	30.48
2567-MW4	33.51	02/09/01	1.99	31.52	02/09/01	1.99	31.52	02/09/01	1.99	31.52	05/08/01	2.68	30.83
2567-MW5	34.99	02/09/01	5.26	29.73	02/09/01	5.26	29.73	02/09/01	5.26	29.73	05/08/01	7.47	27.52
2567-MW6	35.10	02/09/01	6.44	28.66	02/09/01	6.44	28.66	02/09/01	6.44	28.66	05/08/01	7.42	27.68
2567-MW7	36.34	02/09/01	6.23	30.11	02/09/01	6.23	30.11	02/09/01	6.23	30.11	05/08/01	7.02	29.32

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#:	18			19			20			21	
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	08/15/01	4.95	28.98	11/09/01	5.11	28.82	02/26/02	3.95	29.98	05/28/02	4.09	29.84
2567-MW2	35.26	08/15/01	4.65	30.61	11/09/01	4.81	30.45	02/26/02	3.86	31.4	05/28/02	3.83	31.43
2567-MW3	33.88	08/15/01	4.30	29.58	11/09/01	4.30	29.58	02/26/02	3.29	30.59	05/28/02	3.40	30.48
2567-MW4	33.51	08/15/01	3.50	30.01	11/09/01	3.65	29.86	02/26/02	2.71	30.8	05/28/02	2.83	30.68
2567-MW5	34.99	08/15/01	7.70	27.29	11/09/01	7.83	27.16	02/26/02	6.95	28.04	05/28/02	5.91	29.08
2567-MW6	35.10	08/15/01	8.15	26.95	11/09/01	8.09	27.01	02/26/02	6.82	28.28	05/28/02	7.29	27.81
2567-MW7	36.34	08/15/01	7.75	28.59	11/09/01	7.56	28.78	02/26/02	6.71	29.63	05/28/02	6.83	29.51

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#:	22			23			24			25	
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	08/20/02	5.45	28.48	10/28/02	3.62	30.31	02/26/03	3.11	30.82	06/11/03	3.35	30.58
2567-MW2	35.26	08/20/02	5.13	30.13	10/28/02	3.32	31.94	02/26/03	2.71	32.55	06/11/03	3.00	32.26
2567-MW3	33.88	08/20/02	4.03	29.85	10/28/02	2.98	30.9	02/26/03	2.39	31.49	06/11/03	2.55	31.33
2567-MW4	33.51	08/20/02	3.96	29.55	10/28/02	2.26	31.25	02/26/03	1.84	31.67	06/11/03	2.15	31.36
2567-MW5	34.99	08/20/02	8.03	26.96	10/28/02	5.95	29.04	02/26/03	5.37	29.62	06/11/03	5.78	29.21
2567-MW6	35.10	08/20/02	8.78	26.32	10/28/02	6.62	28.48	02/26/03	6.24	28.86	06/11/03	6.50	28.6
2567-MW7	36.34	08/20/02	8.28	28.06	10/28/02	6.40	29.94	02/26/03	6.07	30.27	06/11/03	6.26	30.08

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

Table 3-3
Groundwater Elevation Summary
Site 2567
Fort Monmouth, New Jersey

		Round#:	26			27			28	
Well ID	Elev. of Inner Casing Survey Mark	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.	Date	Depth to Water	Ground-water Elev.
2567-MW1	33.93	07/22/03	4.39	29.54	10/07/03	4.23	29.7	01/16/04	3.60	30.33
2567-MW2	35.26	07/22/03	3.91	31.35	10/07/03	3.89	31.37	01/16/04	3.42	31.84
2567-MW3	33.88	07/22/03	3.81	30.07	10/07/03	3.52	30.36	01/16/04	2.95	30.93
2567-MW4	33.51	07/22/03	2.62	30.89	10/07/03	2.75	30.76	01/16/04	2.37	31.14
2567-MW5	34.99	07/22/03	7.30	27.69	10/07/03	7.17	27.82	01/16/04	6.93	28.06
2567-MW6	35.10	07/22/03	7.61	27.49	10/07/03	7.31	27.79	01/16/04	6.65	28.45
2567-MW7	36.34	07/22/03	7.19	29.15	10/07/03	6.88	29.46	01/16/04	6.37	29.97

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

Table 4-1
Data for Geologic Cross-Section A-A'
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

Well ID	Units	2567-MW2	2567-MW3	2567-MW6
Elevation of Top of Casing	ft (amsl)	35.26	33.88	35.1
Elevation of Ground Surface	ft (amsl)	35.28	33.94	32.86
Elevation of Top of Screen	ft (amsl)	32.28	30.94	29.86
Elevation of Groundwater (5/8/01)	ft (amsl)	31.31	30.48	27.68
Elevation of Top of Unit 4	ft (amsl)	30.28	NA	NA
Elevation of Top of Unit 5	ft (amsl)	27.28	29.94	NA
Elevation of Top of Unit 6	ft (amsl)	NA	NA	32.86
Elevation of Bottom of Well	ft (amsl)	22.28	20.94	19.86

Explanation of Units (see Minard, 1969):
Surface Materials:
*Unit 1 = topsoil/roots
*Unit 2 = asphalt/base stone
*Unit 3 = light orange and brown sand - fill
Native Material (Tinton Sand or Hornerstown Sand Formation):
Unit 4 = light green sand
Unit 5 = dark brown/black clay with some fine sand
Unit 6 = medium-fine sand

Notes:
*Shown in geologic cross section A-A' but not in table above
All measurements in feet.
amsl: above mean sea level
NA: Not Applicable
Unit numbering matches Geologic Cross Section A-A"

Table 4-2
Data for Geologic Cross-Section A-A"
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

Well ID	Units	2567-MW2	2567-MW1	2567-MW5
Elevation of Top of Casing	ft (amsl)	35.26	33.93	34.99
Elevation of Ground Surface	ft (amsl)	35.28	34.14	31.83
Elevation of Top of Screen	ft (amsl)	32.28	31.14	29.33
Elevation of Groundwater (5/8/01)	ft (amsl)	31.31	29.78	27.52
Elevation of Top of Unit 1	ft (amsl)	0	NA	NA
Elevation of Top of Unit 2	ft (amsl)	30.28	NA	NA
Elevation of Top of Unit 3	ft (amsl)	27.28	32.14	NA
Elevation of Top of Unit 7	ft (amsl)	NA	NA	32.33
Elevation of Top of Unit 8	ft (amsl)	NA	NA	30.83
Elevation of Top of Unit 9	ft (amsl)	NA	NA	29.83
Elevation of Top of Unit 10	ft (amsl)	NA	NA	28.83
Elevation of Bottom of Well	ft (amsl)	22.28	21.14	19.33

Explanation of Units (see Minard, 1969):
Surface Materials:
*Unit 1 = topsoil/roots
*Unit 2 = asphalt/base stone
Unit 3 = light orange and brown sand - fill
Unit 4 = light green sand - fill
*Unit 7 = fill, unknown depth and lithology
Native Material (Tinton Sand Formation):
Unit 5 = dark brown/black clay with some fine green sand
Unit 8 = brown fine sand
Unit 9 = black, soft clay
Unit 10 = brown fine sand and silts
Unit 11 = gray medium sand with well-rounded gravel

Notes:
*Shown in geologic cross section A-A" but not in table
All measurements in feet.
amsl: above mean sea level
NA: Not Applicable
Unit numbering matches Geologic Cross Section A-A'

Table 4-3
Slug Testing Results Summary
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

Well ID	Date	Depth to Static Water Level	DTW at t=0	b	DTW Adjustment	Hydraulic Conductivity (feet/day)
2567-MW1	8/17/2001	4.97	7.464	5.536	0.007	35.1
2567-MW2	8/17/2001	4.52	7.154	5.846	0.038	28.5
2567-MW3	8/17/2001	5.49	7.827	5.173	0.789	35.6
2567-MW4	8/17/2001	3.42	5.330	6.670	0.108	20.2
2567-MW5	8/17/2001	7.56	10.405	2.095	0.005	24.4
2567-MW6	8/17/2001	8.14	10.685	2.315	0.013	23.6
2567-MW7	8/16/2001	7.75	10.348	2.652	0.083	18.8
Geometric Mean of Hydraulic Conductivity (feet/day):						25.9

Notes:
DTW = Depth To Water
Depth to Static Water Level was estimated by subtracting 0.3 ft. from the measured DTW at the end of each test.
b = height of water in well at the beginning of the test.
DTW Adjustment = factor by which raw data was adjusted so final hermit data point equals final measured DTW.

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Well ID			2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1
Lab Sample ID	**NJDEP**	**Site Specific**	2446.06	2940.07	3188.06	3381.03	3605.03	3912.05	4144.03	4296.03	4524.03	4635.03	4872.01	5167.04	5417.01	5647.04	5825.04
Sample Date	**Criteria**	**MBC[1]**	04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/24/98	12/16/98	02/24/99	05/29/99	07/21/99	10/21/99	02/14/00	05/15/00	08/22/00	11/01/00
		Round No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatiles																	
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**	ND	**39.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**	ND	**240**	20.3	37	24.23	10.02	3.43	26.15	9.16	3.33	4.8	12.05	5.24	1.2	15.04
Di-isopropyl ether[3]	**100**	**N/A**	ND	ND	3.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	ND	ND	**357**	**560**	95.63	**283**	**143.26**	**675**	**605.1**	**155.56**	**497.3**	**992**	**458.88**	**218.42**	ND
Toluene	**1000**	**N/A**	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**	ND	72.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																	
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	NS	NS	1.25	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs			NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																	
Aluminum	**200**	**121000**	NS	NS	128	186	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**	NS	NS	356.7	367.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**	NS	NS	46880	52030	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**	NS	NS	1.8	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**	NS	NS	40	23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**	NS	NS	**4112**	**5774**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**	1.8	1.4	7	ND	0.5	ND	ND	ND	ND	ND	1.3	1.31	ND	ND	ND
Magnesium	**NLE**	**62700**	NS	NS	4970	5480	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**	NS	NS	**92.8**	**107.6**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**	NS	NS	0.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**	NS	NS	2.4	2.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**	NS	NS	7120	7390	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**	NS	NS	**76190**	48910	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**	NS	NS	63	37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

N/A: Not Applicable NS: Not Sampled

D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Well ID			2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1	2567-MW1
Lab Sample ID	**NJDEP**	**Site Specific**	710	1615404	1621102	1610704	1635604	1657304	2011204	2033104	2058504	2076204	3008304	3028304	3039704	3063404	4004304
Sample Date	**Criteria**	**MBC[1]**	02/09/01	5/31/2001	6/25/2001	05/08/01	08/15/01	11/09/01	2/26/2002*	05/28/02	08/20/02	10/28/02	02/26/03	06/11/02	07/22/03	10/07/03	01/16/04
		Round No.	16	LF1[2]	LF2[2]	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																	
Acetone	**700**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**	4.83	NS	NS	2.1	ND	1.09	1.61	ND	ND	ND	ND	1.78	1.93	ND	2.08
Di-isopropyl ether[3]	**100**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	**1488.05**	NS	NS	**764.25**	**248.74**	ND	**859.38**	**331.75**	**441.16**	**259.69**	**828.6**	**186.42**	**205.86**	**175.48**	**224.08**
Toluene	**1000**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																	
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																	
Aluminum	**200**	**121000**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**	NS	526	0.528	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**	NS	68200	64.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**	NS	**8580**	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**	ND	ND	ND	0.93	ND	ND	ND	ND	ND	1.22	1.4	ND	ND	ND	ND
Magnesium	**NLE**	**62700**	NS	**7900**	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**	NS	**148**	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**	NS	6060	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**	NS	**51200**	47.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**	NS	9.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Well ID			2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2
Lab Sample ID	**NJDEP**	**Site Specific**	2446.05	2940.04	3188.03	3381.04	3605.04	3912.04	4144.04	4296.04	4524.04	4635.04	4872.02	5167.05	5417.05	5647.05	5825.05
Sample Date	**Criteria**	**MBC[1]**	04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/24/98	12/16/98	02/24/99	05/29/99	07/21/99	10/21/99	02/14/00	05/15/00	08/22/00	11/01/00
		Round No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatiles																	
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.99	ND
Benzene	**1**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																	
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	NS	NS	ND	6.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**	NS	NS	4.79	6.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**	NS	NS	1.08	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs			NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																	
Aluminum	**200**	**121000**	NS	NS	78	**261**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**	NS	NS	796.2	188.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**	NS	NS	67840	21250	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**	NS	NS	1.7	1.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**	NS	NS	8	23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**	NS	NS	**16290**	**12450**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**	**10.7**	ND	**20**	8	1.4	ND	ND	ND	ND	ND	1.2	1.49	ND	ND	ND
Magnesium	**NLE**	**62700**	NS	NS	7520	2030	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**	NS	NS	**271.8**	**99.6**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**	NS	NS	0.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**	NS	NS	3.9	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**	NS	NS	8730	7880	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**	NS	NS	**58690**	26640	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**	NS	NS	53	93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

N/A: Not Applicable NS: Not Sampled

D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	Site Specific	Well ID	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2	2567-MW2
				711	1616803	1621105	1610705	1635605	1657305	2011205	2033105	2058505	2076205	3008305	3028305	3039705	3063405	4004305
Sample Date	Criteria	MBC[1]		02/09/01	5/31/2001	6/25/2001	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04
		Round No.		16	LF1	LF2	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																		
Acetone	**700**	**N/A**		ND	NS	NS	3.31	ND	ND	ND	ND	ND	ND	4.19	ND	ND	ND	ND
Benzene	**1**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**		ND	NS	NS	2.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	1.94	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																		
bis(2-Ethylhexyl)phthalate	**30**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																		
Aluminum	**200**	**121000**		NS	72.1	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**		NS	398	283	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**		NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**		NS	ND	1.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**		NS	52400	26700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**		NS	0.574	1.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**		NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**		NS	4.72	8.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**		NS	**5890**	**14300**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**		ND	ND	ND	1.02	ND	ND	ND	ND	ND	2.47	ND	ND	ND	0.831	ND
Magnesium	**NLE**	**62700**		NS	5490	3370	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**		NS	**113**	**125**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**		NS	0.13	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**		NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**		NS	6630	4380	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**		NS	**98300**	27300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**		NS	ND	2.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**		NS	ND	27.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

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[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Lab Sample ID / Sample Date	NJDEP Criteria	Site Specific MBC[1]	Well ID	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3
				2446.07	2940.06	3188.07	3381.05	3605.05	3916.02	4144.06	4296.05	4524.05	4635.05	4872.03	5167.06	5417.03	5647.06	5825.06
				04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/25/98	12/16/98	02/24/99	05/29/99	07/21/99	10/21/99	02/14/00	05/15/00	08/22/00	11/01/00
			Round No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatiles																		
Acetone	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**		ND	ND	**4.31**	**19**	**4.68**	**5.96**	**15.45**	**1.03**	**1.7**	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	1.04	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**		ND	**25**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**		ND	62	**188**	**102**	**81.82**	27.27	20.54	3.3	26.34	8.98	13.08	3.78	9.35	5.36	20.24
Di-isopropyl ether[3]	**100**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**		ND	**940**	ND	ND	27.52	ND	19.38	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**		ND	ND	ND	8.6	ND	3.62	3.67	ND	1.29	ND	ND	ND	ND	ND	ND
Semi-Volatiles																		
bis(2-Ethylhexyl)phthalate	**30**	**N/A**		NS	NS	ND	1.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**		NS	NS	1.92	1.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**		NS	NS	3.9	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**		NS	NS	4.5	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs				NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																		
Aluminum	**200**	**121000**		NS	NS	**341**	**1832**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**		NS	NS	212.1	356.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**		NS	NS	27450	39820	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**		NS	NS	1.5	3.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**		NS	NS	79	22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**		NS	NS	**5342**	**13860**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**		2.5	ND	10	ND	ND	ND	ND	1	ND	ND	1.3	1.22	ND	ND	ND
Magnesium	**NLE**	**62700**		NS	NS	2910	4560	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**		NS	NS	**56.6**	**144.4**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**		NS	NS	0.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**		NS	NS	2	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**		NS	NS	5440	6460	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**		NS	NS	26920	39610	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**		NS	NS	ND	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**		NS	NS	81	30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Well ID			2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3	2567-MW3
Lab Sample ID	**NJDEP**	**Site Specific**	712	1616802	1621104	1610706	1635606	1657306	2011206	2033106	2058506	2076206	3008306	3028306	3039706	3063406	4004306
Sample Date	**Criteria**	**MBC[1]**	02/09/01	5/31/2001	6/25/2001	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04
		Round No.	16	LF1	LF2	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																	
Acetone	**700**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	2.97	ND	ND	ND	ND
Benzene	**1**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	31.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**	1.96	NS	NS	11.95	17.8	5.51	4.14	3.13	ND	2.37	3.64	ND	6.82	4.56	ND
Di-isopropyl ether[3]	**100**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	ND	NS	NS	ND	67.42	ND	31.59	ND	ND	ND	ND	ND	ND	13.51	ND
Toluene	**1000**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38	ND
Semi-Volatiles																	
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																	
Aluminum	**200**	**121000**	NS	195	22.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**	NS	298	275	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**	NS	32200	33100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**	NS	2.97	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**	NS	6.27	9.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**	NS	**12400**	**4670**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**	ND	1.92	ND	0.96	ND	ND	ND	ND	ND	ND	ND	ND	0.983	ND	ND
Magnesium	**NLE**	**62700**	NS	3490	4030	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**	NS	**137**	**74.3**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**	NS	0.11	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**	NS	4660	5470	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**	NS	30700	**61100**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**	NS	2.46	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**	NS	22.7	16.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

N/A: Not Applicable NS: Not Sampled

D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Well ID			2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4
Lab Sample ID	**NJDEP**	**Site Specific**	2446.03	2940.05	3188.04	3381.06	3605.07	3912.03	4144.05	4296.06	4524.06	4635.06	4872.04	5167.07	5417.08	5647.07	5825.07
Sample Date	**Criteria**	**MBC[1]**	04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/24/98	12/16/98	02/24/99	05/29/99	07/21/99	10/21/99	02/14/00	05/15/00	08/22/00	11/01/00
		Round No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatiles																	
Acetone	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.57	ND
Benzene	**1**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																	
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	NS	NS	ND	1.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**	NS	NS	1.37	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs			NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																	
Aluminum	**200**	**121000**	NS	NS	**1208**	**608**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**	NS	NS	156	103.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**	NS	NS	ND	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**	NS	NS	19850	14720	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**	NS	NS	9	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**	NS	NS	1.7	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**	NS	NS	14	11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**	NS	NS	**3586**	**4212**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**	2.3	ND	9	ND	ND	ND	ND	ND	ND	ND	1.2	1.4	ND	ND	ND
Magnesium	**NLE**	**62700**	NS	NS	2320	1700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**	NS	NS	**90**	**78.6**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**	NS	NS	0.3	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**	NS	NS	4.8	10.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**	NS	NS	2810	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**	NS	NS	15600	12580	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**	NS	NS	3	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**	NS	NS	57	79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

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ND: Analyte not detected in sample

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D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Well ID			2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4	2567-MW4
Lab Sample ID	**NJDEP**	**Site Specific**	713	1615403	1621103	1610707	1635607	1657307	2011207	2033107	2058507	2076207	3008307	3028307	3039707	3063407	4004307
Sample Date	**Criteria**	**MBC[1]**	02/09/01	5/31/2001	6/25/2001	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04
		Round No.	16	LF1	LF2	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																	
Acetone	**700**	**N/A**	ND	NS	NS	4.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**	ND	ND	ND	2.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																	
bis(2-Ethylhexyl)phthalate	**30**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																	
Aluminum	**200**	**121000**	NS	20.2	**602**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**	NS	233	196	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**	NS	ND	1.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**	NS	27100	20900	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**	NS	0.729	1.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**	NS	0.757	1.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**	NS	ND	29.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**	NS	**6510**	**4160**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**	ND	ND	6.18	ND	2.2	ND	ND	ND	ND	ND	ND	2.26	1.22	ND	ND
Magnesium	**NLE**	**62700**	NS	3090	3240	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**	NS	**160**	**118**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**	NS	ND	0.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**	NS	2.68	8.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**	NS	3300	2980	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**	NS	22800	19300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**	NS	1.47	1.73	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**	NS	18.6	30.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

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Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	Site Specific	Well ID	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5
				2446.04	2940.03	3188.05	3381.08	3605.06	3916.03	4144.07	4296.07	4535.01	4635.07	4872.05	5167.08	5417.05	5647.08	5825.08
Sample Date	**Criteria**	**MBC[1]**		04/11/97	08/28/97	12/02/97	03/04/98	06/01/98	09/25/98	12/16/98	02/24/99	06/08/99	07/21/99	10/21/99	02/14/00	05/15/00	08/22/00	11/01/00
		Round No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Volatiles																		
Acetone	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																		
bis(2-Ethylhexyl)phthalate	**30**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**		NS	NS	1.3	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs				NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																		
Aluminum	**200**	**121000**		NS	NS	**406**	**362.6**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**		NS	NS	93.1	58.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**		NS	NS	1.3	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**		NS	NS	21120	12180	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**		NS	NS	5.5	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**		NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**		NS	NS	14	13.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**		NS	NS	**19180**	**16370**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**		2.7	ND	7	ND	ND	ND	ND	1	ND	ND	4.4	1.21	ND	1.6	2.4
Magnesium	**NLE**	**62700**		NS	NS	3410	1961	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**		NS	NS	**100.2**	**56.4**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**		NS	NS	0.4	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**		NS	NS	6.5	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**		NS	NS	3530	2675	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**		NS	NS	10480	9134	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**		NS	NS	5	6.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**		NS	NS	91	43.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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ND: Analyte not detected in sample

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[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	Site Specific	Well ID	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5	2567-MW5
				714	1615402	1621404	1610708	1635608	1657308	2011208	2033108	2058508	2076208	3008308	3028308	3039708	3063408	4004308
Sample Date	Criteria	MBC[1]		02/09/01	5/31/2001	6/26/2001	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04
		Round No.		16	LF1	LF2	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																		
Acetone	**700**	**N/A**		ND	NS	NS	4.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**		ND	ND	ND	2.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**		ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																		
bis(2-Ethylhexyl)phthalate	**30**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																		
Aluminum	**200**	**121000**		NS	**893**	**557**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**		NS	86.8	68.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**		NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**		NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**		NS	21000	18000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**		NS	5.32	5.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**		NS	1.96	0.803	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**		NS	6.17	12.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**		NS	**8850**	**3910**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**		ND	8.47	3.21	4.53	8.4	9.7	6.5	3.6	**32.3**	**49.5**	3.57	**43.9**	**22.1**	**22.1**	ND
Magnesium	**NLE**	**62700**		NS	2910	2440	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**		NS	**86.1**	46.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**		NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**		NS	4.22	4.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**		NS	3610	3470	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**		NS	19200	17300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**		NS	8.23	4.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**		NS	57.5	36.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

N/A: Not Applicable NS: Not Sampled

D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Lab Sample ID	NJDEP	Site Specific	Well ID	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6	2567-MW6
				5647.09	5825.09	715	1616805	1621403	1610709	1635609	1657309	2011209	2033109	2058509	2076209	3008309	3028309	3039709	3063409	4004309
Sample Date	Criteria	MBC[1]		08/22/00	11/01/00	02/09/01	6/5/2001	6/26/2001	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04
		Round No.		14	15	16	LF1	LF2	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																				
Acetone	**700**	**N/A**		4.02	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																				
bis(2-Ethylhexyl)phthalate	**30**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																				
Aluminum	**200**	**121000**		NS	NS	NS	**381**	**320**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**		NS	NS	NS	94.3	79.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**		NS	NS	NS	0.887	1.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**		NS	NS	NS	ND	1.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**		NS	NS	NS	11900	8170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**		NS	NS	NS	3.11	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**		NS	NS	NS	2.09	5.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**		NS	NS	NS	2.53	19.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**		NS	NS	NS	**6000**	**3920**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**		ND	ND	ND	ND	ND	1.48	ND	ND	ND	ND	1.32	ND	ND	ND	ND	ND	ND
Magnesium	**NLE**	**62700**		NS	NS	NS	1700	1360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**		NS	NS	NS	44.2	29.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**		NS	NS	NS	5.77	10.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**		NS	NS	NS	2510	1930	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**		NS	NS	NS	18100	15000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**		NS	NS	NS	1.74	0.871	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**		NS	NS	NS	61.8	101	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

N/A: Not Applicable NS: Not Sampled

D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-1
Groundwater Monitoring Well Sampling Results
Site 2567
Fort Monmouth, New Jersey

Lab Sample ID / Sample Date	NJDEP Criteria	Site Specific MBC[1]	Well ID	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7	2567-MW7
				5647.1	5825.1	716	1616804	1621402	1610710	1635610	1657310	2011210	2033110	2058510	2076210	3008310	3028310	3039710	3063410	4004310
				08/22/00	11/01/00	02/09/01	6/5/2001	6/26/2001	05/08/01	08/15/01	11/09/01	02/26/02	05/28/02	08/20/02	10/28/02	02/26/03	06/11/03	07/22/03	10/07/03	01/16/04
			Round No.	14	15	16	LF1	LF2	17	18	19	20	21	22	23	24	25	26	27	28
Volatiles																				
Acetone	**700**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**300**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	**NLE**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**700**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**2**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE[3]	**70**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether[3]	**100**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1000**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes[3]	**1000**	**N/A**		ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles																				
bis(2-Ethylhexyl)phthalate	**30**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	**900**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine[3]	**100**	**N/A**		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides/PCBs				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals																				
Aluminum	**200**	**121000**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	**2000**	**699**		NS	NS	NS	220	255	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	**20**	**N/A**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	**4**	**N/A**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	**NLE**	**45400**		NS	NS	NS	25500	30100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	**100**	**N/A**		NS	NS	NS	0.852	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	**NLE**	**N/A**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	**1000**	**65.6**		NS	NS	NS	2.78	10.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	**300**	**431000**		NS	NS	NS	**5250**	**6520**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	**10**	**N/A**		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.855	ND	ND	ND
Magnesium	**NLE**	**62700**		NS	NS	NS	2950	4380	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	**50**	**331**		NS	NS	NS	**113**	**157**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	**2**	**N/A**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	**100**	**187**		NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	**NLE**	**137000**		NS	NS	NS	4260	4970	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	**50000**	**21500**		NS	NS	NS	33300	30800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	**NLE**	**N/A**		NS	NS	NS	0.75	0.602	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	**5000**	**233**		NS	NS	NS	13.9	9.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

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

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

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

*Sampling results that exceeded calibration limits were not run again with dilution due to a laboratory error.

ND: Analyte not detected in sample

N/A: Not Applicable NS: Not Sampled

D: Diluted Sample

NLE: No cleanup standard exists for this analyte

[1]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[2]Low Flow Sampling Method used to collect sample

[3]Interim Criteria used as NJDEP criteria

Table 5-2
Geoprobe Groundwater Sampling Results
Site 2567
Fort Monmouth, New Jersey

Geoprobe ID			GW-1	GW-2	GW-3	W-1	W-2	W-3	W-4
Lab Sample ID	**NJDEP**	**Site Specific**	4008903	4008905	4008906	4031603	4031604	4031606	4031607
Sample Date	**Criteria**	**MBC[(1)]**	02/02/04	02/02/04	02/02/04	04/30/04	04/30/04	04/30/04	04/30/04
Volatiles									
MTBE[(2)]	**70**	**N/A**	5.52	2.63	0.47	3.37	3.29	1.2	ND
tert-Butyl Alcohol (TBA)[(2)]	**100**	**N/A**	ND	ND	46	ND	ND	ND	ND

Notes

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

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

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

ND: Analyte not detected in sample

N/A: Not Applicable

[(1)]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[(2)]Interim Criteria used as NJDEP criteria

Table 5-3
Determination of Contaminants of Concern
Site 2567
Fort Monmouth, New Jersey

Analyte	NJDEP Criteria[1]	Site Specific Groundwater MBC[2]	Maximum Result	No. of NJDEP Criteria Exceedences	No. of Site Maximum Background Exceedences	Comments
Volatiles						
Acetone	**700**	N/A	5.99	0	N/A	No exceedence of NJDEP criteria
Benzene	**1**	**N/A**	**39.4**	**8**	**N/A**	**Not a Contaminant of Concern. Benzene has not been detected at Site 2567 since July 1999.**
2-Butanone	300	N/A	31.95	0	N/A	No exceedence of NJDEP criteria
Carbon Disulfide	NLE	N/A	1.94	0	N/A	No exceedence of NJDEP criteria
Ethylbenzene	**700**	N/A	1.04	0	N/A	No exceedence of NJDEP criteria
Methylene Chloride	**2**	**N/A**	**25**	**1**	**N/A**	**Not a Contaminant of Concern: only one exceedence of NJDEP Cleanup Criteria.**
MTBE[3]	**70**	**N/A**	**240**	**4**	**N/A**	**Not a Contaminant of Concern. MTBE has not been detected in wells at Site 2567 above the NJDEP Groundwater Criteria[1] since June 1998.**
Di-isopropyl ether[3]	**100**	N/A	3.66	0	N/A	No exceedence of NJDEP criteria
Tert-Butyl Alcohol (TBA)[3]	**100**	**N/A**	**1488.05**	**24**	**N/A**	**Contaminant of Concern. exceedences primarily at well 2567-MW1. There was only one other well with an exceedence of the NJDEP criteria (2567-MW3 in August 1997).**
Toluene	**1000**	N/A	1.3	0	N/A	No exceedence of NJDEP criteria
Xylenes[3]	**1000**	N/A	72.7	0	N/A	No exceedence of NJDEP criteria
Semi-Volatiles						
bis(2-Ethylhexyl)phthalate	**30**	N/A	6.98	0	N/A	No exceedence of NJDEP criteria
Naphthalene[3]	**100**	N/A	6.98	0	N/A	No exceedence of NJDEP criteria
Di-n-butylphthalate	**900**	N/A	3.9	0	N/A	No exceedence of NJDEP criteria
Pyridine[3]	**100**	N/A	4.5	0	N/A	No exceedence of NJDEP criteria

Table 5-3
Determination of Contaminants of Concern
Site 2567
Fort Monmouth, New Jersey

Analyte	NJDEP Criteria[1]	Site Specific Groundwater MBC[2]	Maximum Result	No. of NJDEP Criteria Exceedences	No. of Site Maximum Background Exceedences	Comments
Pesticides/PCBs: None Detected						
Metals						
Aluminum	**200**	**121000**	**1832**	**7**	**0**	**Not a Contaminant of Concern: no exceedence of the Site Specific MBC**
Barium	**2000**	699	796.2	0	1	No exceedence of NJDEP criteria
Beryllium	**20**	N/A	1.3	0	N/A	No exceedence of NJDEP criteria
Cadmium	**4**	N/A	2.2	0	N/A	No exceedence of NJDEP criteria
Calcium	**NLE**	45400	67840	N/A	3	No NJDEP Groundwater Criteria
Chromium	**100**	N/A	9	0	N/A	No exceedence of NJDEP criteria
Cobalt	**NLE**	N/A	2.5	N/A	N/A	No NJDEP Groundwater Criteria
Copper	**1000**	65.6	79	0	1	No exceedence of NJDEP criteria
Iron	**300**	**431000**	**19180**	**10**	**0**	**Not a Contaminant of Concern: no exceedence of the Site Specific MBC**
Lead	**10**	**N/A**	**49.5**	**7**	**N/A**	**Not a Contaminant of Concern: only seven exceedences of NJDEP criteria at two monitoring wells.**
Magnesium	**NLE**	62700	7520	N/A	0	No NJDEP Groundwater Criteria
Manganese	**50**	**331**	**271.8**	**10**	**0**	**Not a Contaminant of Concern: no exceedence of the Site Specific MBC.**
Mercury	**2**	N/A	0.4	0	N/A	No exceedence of NJDEP criteria
Nickel	**100**	187	10.8	0	0	No exceedence of NJDEP criteria
Potassium	**NLE**	137000	8730	N/A	0	No NJDEP Groundwater Criteria
Sodium	**50000**	**21500**	**76190**	**2**	**6**	**Not a Contaminant of Concern due to the proximity of the site to sea water.**
Vanadium	**NLE**	N/A	6.8	N/A	N/A	No NJDEP Groundwater Criteria
Zinc	**5000**	233	93	0	0	No exceedence of NJDEP criteria

Notes:

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

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

N/A = Not Applicable

Exceeds NJDEP GWQC =

ND: Analyte not detected in sample

NLE: No limit established for this analyte

[1]Higher of Practical Quantitation Limits (PQLs) and Groundwater Quality Criteria (GWQC) per NJAC 7:9-6

[2]Fort Monmouth Site-specific Groundwater Maximum Background Concentrations (MBCs), background (native) metals only (Weston SI Report Dated 1995)

[3]Interim Criteria used as NJDEP criteria

Table 5-4
Aquifer Dissolved Oxygen
Site 2567
Fort Monmouth, New Jersey

2567-MW1	
Sample Date	DO (mg/L)
04/11/97	3.00
08/28/97	2.40
12/02/97	1.40
03/04/98	4.10
06/01/98	2.10
09/24/98	5.18
12/16/98	7.87
02/24/99	3.85
05/29/99	4.77
07/21/99	3.07
10/21/99	4.33
02/14/00	5.17
05/15/00	4.23
08/22/00	3.17
11/01/00	3.87
02/09/01	5.22
05/08/01	5.17
08/15/01	0.01
11/09/01	1.40
02/26/02	1.60
05/28/02	2.10
08/20/02	2.71
10/28/02	0.00
02/26/03	1.03
06/11/03	1.84
07/22/03	0.40
10/07/03	1.74
01/16/04	2.61
Min:	0.00
Max:	7.87
Average:	3.01

2567-MW2	
Sample Date	DO (mg/L)
04/11/97	2.50
08/28/97	2.40
12/02/97	1.90
03/04/98	5.40
06/01/98	2.30
09/24/98	5.92
12/16/98	6.72
02/24/99	3.27
05/29/99	5.70
07/21/99	2.77
10/21/99	4.37
02/14/00	5.16
05/15/00	4.81
08/22/00	3.07
11/01/00	3.21
02/09/01	5.07
05/08/01	5.14
08/15/01	0.05
11/09/01	0.73
02/26/02	0.98
05/28/02	1.97
08/20/02	2.47
10/28/02	0.29
02/26/03	2.17
06/11/03	2.11
07/22/03	0.43
10/07/03	1.11
01/16/04	2.21
Min:	0.05
Max:	6.72
Average:	3.01

2567-MW3	
Sample Date	DO (mg/L)
04/11/97	2.50
08/28/97	2.20
12/02/97	1.00
03/04/98	3.50
06/01/98	2.20
09/25/98	6.90
12/16/98	7.33
02/24/99	3.37
05/29/99	2.95
07/21/99	3.31
10/21/99	4.41
02/14/00	4.71
05/15/00	4.57
08/22/00	3.04
11/01/00	3.37
02/09/01	5.07
05/08/01	5.05
08/15/01	0.00
11/09/01	0.41
02/26/02	1.11
05/28/02	1.97
8/20/2002	2.91
10/28/02	0.08
02/26/03	2.69
06/11/03	2.52
07/22/03	0.40
10/07/03	1.96
01/16/04	2.08
Min:	0.00
Max:	7.33
Average:	2.91

2567-MW4	
Sample Date	DO (mg/L)
04/11/97	2.40
08/28/97	2.50
12/02/97	1.50
03/04/98	3.50
06/01/98	1.70
09/24/98	6.76
12/16/98	7.63
02/24/99	3.64
05/29/99	4.27
07/21/99	3.74
10/21/99	4.57
02/14/00	5.20
05/15/00	5.34
08/22/00	3.11
11/01/00	3.71
02/09/01	5.20
05/08/01	5.20
08/15/01	0.13
11/09/01	1.16
02/26/02	1.08
05/28/02	2.11
08/20/02	2.31
10/28/02	0.63
02/26/03	2.99
06/11/03	2.32
07/22/03	0.52
10/07/03	2.01
01/16/04	2.17
Min:	0.13
Max:	7.63
Average:	3.12

2567-MW5	
Sample Date	DO (mg/L)
04/11/97	2.20
08/28/97	3.40
12/02/97	1.80
03/04/98	2.60
06/01/98	1.10
09/25/98	7.27
12/16/98	8.04
02/24/99	3.68
06/08/99	4.80
07/21/99	4.18
10/21/99	4.17
02/14/00	5.19
05/15/00	5.36
08/22/00	3.24
11/01/00	3.76
02/09/01	5.31
05/08/01	5.18
08/15/01	0.17
11/09/01	0.87
02/26/02	0.97
05/28/02	1.66
08/20/02	2.32
10/28/02	5.10
02/26/03	2.50
06/11/03	2.30
07/22/03	1.38
10/07/03	2.03
01/16/04	2.17
Min:	0.17
Max:	8.04
Average:	3.31

Table 5-4
Aquifer Dissolved Oxygen
Site 2567
Fort Monmouth, New Jersey

2567-MW6	
Sample Date	DO (mg/L)
08/22/00	3.27
11/01/00	3.81
02/09/01	5.27
05/08/01	5.23
08/15/01	0.30
11/09/01	0.89
02/26/02	1.17
05/28/02	1.07
08/20/02	2.04
10/28/02	1.17
02/26/03	1.71
06/11/03	2.01
07/22/03	0.91
10/07/03	2.10
01/16/04	2.09
Min:	0.30
Max:	5.27
Average:	2.20

2567-MW7	
Sample Date	DO (mg/L)
08/22/00	3.31
11/01/00	3.87
02/09/01	NA
05/08/01	5.22
08/15/01	0.05
11/09/01	0.42
02/26/02	1.04
05/28/02	1.02
08/20/02	1.98
10/28/02	0.39
02/26/03	1.38
06/11/03	2.30
07/22/03	0.57
10/07/03	2.17
01/16/04	2.23
Min:	0.05
Max:	5.22
Average:	1.85

Notes:
1.) DO: Dissolved Oxygen
2.) NA: Not Available

Table 6-1
tert-Butyl Alcohol Biodegradation at Monitoring Well 2567-MW1
Site 2567 - Charles Woods Area
Fort Monmouth, New Jersey

Duration of tert-Butyl Alcohol Degradation Based on Published Biodegradation Rate		
Input		
Parameters	**Units**	**Constituent: tert-Butyl Alcohol (TBA)**
Δt	**days**	**90**
$T_{1/2}$	**days**	**365**
k (1)	**$days^{-1}$**	**0.00190**
Initial Concentration, C_0 (2)	**µg/L**	**1488.05**
February 9, 2001		
Calculation and Results		
Time (days)	**Date**	**Predicted Concentrations, C (ug/L)**
0	February 9, 2001	1488.05
90	May 10, 2001	1254.27
180	August 8, 2001	1057.22
270	November 6, 2001	891.12
360	February 4, 2002	751.12
450	May 5, 2002	633.12
540	August 3, 2002	533.65
630	November 1, 2002	449.81
720	January 30, 2003	379.14
810	April 30, 2003	319.58
900	July 29, 2003	269.37
990	October 27, 2003	227.05
1080	January 25, 2004	191.38
1170	April 24, 2004	161.31
1260	July 23, 2004	135.97
1350	October 21, 2004	114.61
1440	January 19, 2005	96.60
Time until NJDEP criteria is reached:		
1,440	**January 19, 2005**	**96.60**
New Jersey Criteria	**µg/L**	**100**

Notes:
NJ Critera = Interim Groundwater Quality Criteria
Constituent Predicted Concentration: $C_p(t) = C_p(t-1) * e^{-k\Delta t}$
Time to reach NJ Criteria = TNJC
Reaction Rate Constant = $k = -\ln(0.5)/t_{1/2}$

Length of Impacted Area Based on Available Published Biodegradation Rates		
Input Data		
Hydraulic Conductivity (3) (K)	**ft/day**	**25.9**
Hydraulic Gradient (4) (i):	**ft/ft**	**0.02**
Effective Porosity (5) (n_e):	**---**	**0.4**
Bulk Density of Formation (5) (ρ_b)	**kg/L**	**1.59**
n-Octanol/Carbon Partition (6) (K_{oc}):	**L/kg**	**2.27**
Fraction of Organic Carbon (7) (f_{oc})	**---**	**0.003**
Sorption Coefficient (K_d)	**L/kg**	**0.007**
Calculation and Results		
Seepage Velocity (ft/day)	vs = K*i/ne =	1.295
Retardation Factor	Rd = 1 + (Kd * ρ_b / ne) =	1.03
Pollutant Transport Rate (ft/day)	vpt = vs/Rd =	1.261
or (ft/year)		460.22
TNJC (days)	**Determined above**	**1,440**
TNJC (years)		**3.9**
Length (ft)	**vpt * TNJC =**	**1,800**

Notes:
(1) Half-Life for aerobic biodegradation in groundwater, upper limit: Howard, P.H. et. al. 1991. *Handbook of Environmental Degradation Rates.* Lewis Publishers.
(2) Initial concentration (Co) is the most recent concentration that was detected during the groundwater monitoring program.
(3) Hydraulic conductivity of surficial fill, K = 25.9 ft/day (Geometeric mean of slug tests performed by Versar in August 2001)
(4) Hydraulic gradient (i) derived from ground water elevation contours (August 2000)
(5) Effective porosity, n = 0.4, and bulk density, ρ_b = 1.5 g/mL (consistent with the type of soil - clayey sands, at the Site).
(6) K_{oc} data reference: USEPA Soil Screeening Guidance 1996.
(7) f_{oc} = 0.003 (the geometric mean of the minimum and maximum range of f_{oc}). *USEPA 1996* .

Table 6-2
Well Search Summary
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

NJDEP Permit Number	Depth (feet)	Use*	Permit Date	Lattitude	Longitude
2900151	300	D	7/13/1951	401746	740546
2901121	70	D	6/2/1954	401706	740519
2901154	70	D	6/17/1954	401800	740546
2903374	50	D	8/15/1960	401733	740546
2903863	90	D	6/29/1962	401733	740546
2905076	100	D	5/20/1966	401733	740546
2907536	150	D	6/14/1974	401813	740533
2908442	60	D	8/3/1976	401826	740426
2911733	150	D	12/4/1981	401813	740533
2912070	40	G	5/14/1982	401720	740346
2912719	40	G	4/8/1983	401726	740406
2913187	80	G	9/12/1983	401819	740446
2913524	20	M	3/21/1984	401712	740406
2913525	20	M	3/21/1984	401712	740406
2913526	20	M	3/21/1984	401712	740406
2913527	20	M	3/21/1984	401712	740406
2913528	20	M	3/21/1984	401712	740406
2913529	20	M	3/21/1984	401712	740406
2913551	20	M	3/21/1984	401712	740406
2913552	20	M	3/21/1984	401712	740406
2913553	20	M	3/21/1984	401712	740406
2913581	50	E	7/20/1984	401712	740406
2914431	20	G	1/15/1985	401819	740446
2916207	220	D	2/17/1986	401726	740406
2916766	20	M	6/30/1986	401659	740432
2916767	20	M	6/30/1986	401659	740432
2916768	20	M	6/30/1986	401659	740432
2916769	20	M	6/30/1986	401659	740432
2916770	20	M	6/30/1986	401659	740432
2916771	20	M	6/30/1986	401659	740432
2916772	20	M	6/30/1986	401659	740432
2916773	20	M	6/30/1986	401659	740432
2916774	20	M	6/30/1986	401659	740432
2916775	15	M	6/30/1986	401752	740552
2916776	15	M	6/30/1986	401752	740552
2916777	20	M	6/30/1986	401659	740512
2916778	20	M	6/30/1986	401659	740512
2916779	20	M	6/30/1986	401726	740406
2916780	20	M	6/30/1986	401659	740446
2916781	20	M	6/30/1986	401659	740446
2916782	20	M	6/30/1986	401659	740446
2916783	20	M	6/30/1986	401659	740446
2916784	20	M	6/30/1986	401659	740446
2916785	20	M	6/30/1986	401659	740446
2916786	15	M	6/30/1986	401712	740406
2916787	15	M	6/30/1986	401712	740406
2916788	20	M	6/30/1986	401659	740432
2916789	20	M	6/30/1986	401659	740432
2917933	13	W	2/10/1987	401739	740406
2917934	13	W	2/10/1987	401739	740406
2917935	13	W	2/10/1987	401739	740406
2917936	13	W	2/10/1987	401739	740406
2917937	13	W	2/10/1987	401739	740406
2917938	13	W	2/10/1987	401739	740406
2917939	13	W	2/10/1987	401739	740406
2917940	13	W	2/10/1987	401739	740406
2917941	13	W	2/10/1987	401739	740406
2917942	13	W	2/10/1987	401739	740406
2917943	13	W	2/10/1987	401739	740406

NJDEP Permit Number	Depth (feet)	Use*	Permit Date	Lattitude	Longitude
2917944	13	W	2/10/1987	401739	740406
2917945	13	W	2/10/1987	401739	740406
2917946	13	W	2/10/1987	401739	740406
2917947	13	W	2/10/1987	401739	740406
2917948	13	W	2/10/1987	401739	740406
2917949	13	W	2/10/1987	401739	740406
2917950	13	W	2/10/1987	401739	740406
2917951	13	W	2/10/1987	401739	740406
2917952	13	W	2/10/1987	401739	740406
2918127	13	W	3/17/1987	401739	740406
2918128	13	W	3/17/1987	401739	740406
2918129	13	W	3/17/1987	401739	740406
2918130	13	W	3/17/1987	401739	740406
2918131	13	W	3/17/1987	401739	740406
2918132	13	W	3/17/1987	401739	740406
2918579	13	W	5/18/1987	401746	740413
2918580	13	W	5/18/1987	401746	740413
2918581	13	W	5/18/1987	401746	740413
2918582	13	W	5/18/1987	401746	740413
2918583	13	W	5/18/1987	401746	740413
2918584	13	W	5/18/1987	401746	740413
2918585	13	W	5/18/1987	401746	740413
2918586	13	W	5/18/1987	401746	740413
2918587	13	W	5/18/1987	401746	740413
2918588	13	W	5/18/1987	401746	740413
2918589	13	W	5/18/1987	401746	740413
2918590	13	W	5/18/1987	401746	740413
2919285	40	M	9/11/1987	401720	740413
2919286	40	M	9/11/1987	401720	740413
2919287	40	M	9/11/1987	401720	740413
2919288	40	M	9/11/1987	401720	740413
2919540	200	D	11/9/1987	401733	740453
2920979	80	G	7/20/1988	401720	740346
2921634	200	G	10/19/1988	401733	740346
2921698	190	R	11/9/1988	401813	740519
2921967	30	M	12/22/1988	401733	740533
2922685	30	M	5/1/1989	401746	740519
2922686	30	M	5/1/1989	401746	740519
2922982	35	M	6/8/1989	401653	740453
2923160	30	M	7/17/1989	401733	740533
2923339	20	B	8/23/1989	401706	740440
2923916	20	M	12/11/1989	401720	740506
2923917	20	M	12/11/1989	401720	740506
2923918	20	M	12/11/1989	401720	740506
2923919	20	M	12/11/1989	401720	740453
2923920	20	M	12/11/1989	401720	740453
2923921	20	M	12/11/1989	401720	740453
2923922	10	B	12/11/1989	401720	740506
2923923	10	B	12/11/1989	401720	740506
2923924	10	B	12/11/1989	401720	740506
2923925	10	B	12/11/1989	401720	740453
2923926	10	B	12/11/1989	401720	740453
2923927	10	B	12/11/1989	401720	740453
2923928	10	B	12/11/1989	401720	740453
2923929	10	B	12/11/1989	401720	740453
2923930	10	B	12/11/1989	401720	740453
2923931	10	B	12/11/1989	401720	740453
2923932	10	B	12/11/1989	401720	740453
2923933	10	B	12/11/1989	401720	740453

Table 6-2
Well Search Summary
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

NJDEP Permit Number	Depth (feet)	Use*	Permit Date	Lattitude	Longitude
2923934	10	B	12/11/1989	401720	740453
2923935	10	B	12/11/1989	401720	740453
2923936	10	B	12/11/1989	401720	740453
2923937	10	B	12/11/1989	401720	740453
2923938	10	B	12/11/1989	401720	740453
2923939	10	B	12/11/1989	401720	740453
2923940	10	B	12/11/1989	401720	740453
2923941	10	B	12/11/1989	401720	740453
2923942	10	B	12/11/1989	401720	740453
2923943	10	B	12/11/1989	401720	740453
2923944	10	B	12/11/1989	401720	740453
2924555	30	M	4/10/1990	401733	740533
2924890	30	B	6/12/1990	401800	740453
2924891	30	B	6/12/1990	401800	740453
2924892	30	B	6/12/1990	401800	740453
2924893	30	B	6/12/1990	401800	740453
2924894	30	B	6/12/1990	401800	740453
2924895	30	B	6/12/1990	401800	740453
2924896	30	B	6/12/1990	401800	740453
2924897	30	B	6/12/1990	401800	740453
2924898	30	B	6/12/1990	401800	740453
2924899	30	B	6/12/1990	401800	740453
2925352	3	M	10/10/1990	401733	740533
2925775	13	M	1/29/1991	401720	740506
2926312	13	M	6/6/1991	401720	740506
2926590	25	M	7/18/1991	401706	740506
2926591	25	M	7/18/1991	401706	740506
2926592	25	M	7/18/1991	401706	740506
2926724	60	D	8/8/1991	401653	740453
2927443	25	M	1/21/1992	401733	740546
2927444	25	M	1/21/1992	401733	740546
2927453	25	M	1/23/1992	401733	740546
2927643	20	Z	3/5/1992	401813	740426
2927644	20	Z	3/5/1992	401813	740426
2927645	20	Z	3/5/1992	401813	740426
2927756	20	Z	3/31/1992	401733	740453
2927757	20	Z	3/31/1992	401733	740453
2927758	20	Z	3/31/1992	401733	740453
2928781	25	M	9/22/1992	401720	740546
2928782	25	M	9/22/1992	401720	740546
2929189	78	Y	12/30/1992	401653	740453
2929421	25	M	3/23/1993	401720	740506
2929607	25	M	4/29/1993	401720	740546
2929623	25	M	5/4/1993	401720	740546
2929742	30	M	6/3/1993	401733	740519
2929743	30	M	6/3/1993	401733	740519
2929744	30	M	6/3/1993	401733	740519
2929745	30	M	6/3/1993	401733	740519
2929752	14	M	6/3/1993	401706	740519
2929753	14	M	6/3/1993	401706	740519
2929754	14	M	6/3/1993	401706	740519
2930115	45	M	8/19/1993	401800	740346
2930116	45	M	8/19/1993	401800	740346
2930117	45	M	8/19/1993	401800	740346
2930118	45	M	8/19/1993	401800	740346
2930119	45	M	8/19/1993	401800	740346
2930120	45	M	8/19/1993	401800	740346
2930480	20	M	11/18/1993	401800	740400
2930494	35	M	11/24/1993	401800	740346

NJDEP Permit Number	Depth (feet)	Use*	Permit Date	Lattitude	Longitude
2930495	35	M	11/24/1993	401800	740346
2930514	20	M	12/3/1993	401720	740453
2930958	15	M	4/5/1994	401800	740506
2930959	15	M	4/5/1994	401800	740506
2930960	15	M	4/5/1994	401800	740506
2930969	15	M	4/5/1994	401746	740533
2931238	15	Z	5/11/1994	401733	740506
2931239	15	M	5/11/1994	401733	740506
2931240	15	M	5/11/1994	401733	740506
2931561	20	M	7/5/1994	401813	740413
2931562	20	M	7/5/1994	401813	740413
2931563	20	M	7/5/1994	401813	740413
2932158	60	G	9/27/1994	401813	740440
2932159	60	G	9/27/1994	401813	740440
2932160	60	G	9/27/1994	401813	740440
2932161	60	G	9/27/1994	401813	740440
2932162	60	G	9/27/1994	401813	740440
2932163	60	G	9/27/1994	401813	740440
2932590	25	M	11/29/1994	401746	740519
2932591	25	M	11/29/1994	401746	740519
2932592	25	M	11/29/1994	401746	740519
2932593	25	M	11/29/1994	401746	740519
2932594	25	M	11/29/1994	401746	740519
2932595	25	M	11/29/1994	401746	740519
2932596	25	M	11/29/1994	401746	740519
2932597	25	M	11/29/1994	401746	740519
2932598	25	M	11/29/1994	401746	740519
2932599	25	M	11/29/1994	401800	740440
2932600	25	M	11/29/1994	401800	740440
2932601	25	M	11/29/1994	401800	740440
2932602	25	M	11/29/1994	401800	740440
2932603	25	M	11/29/1994	401800	740440
2932604	25	M	11/29/1994	401800	740519
2932605	25	M	11/29/1994	401800	740519
2932894	20	M	3/1/1995	401720	740533
2932895	20	M	3/1/1995	401720	740533
2932896	20	V	3/1/1995	401720	740533
2932897	20	J	3/1/1995	401720	740533
2933763	20	M	7/19/1995	401813	740440
2934753	15	M	1/10/1996	401733	740453
2934754	15	M	1/10/1996	401733	740453
2934755	15	M	1/10/1996	401733	740453
2935236	100	G	4/23/1996	401720	740413
2935462	180	D	5/29/1996	401813	740533
2936178	180	D	10/31/1996	401813	740533
2936179	180	D	10/31/1996	401813	740533
2936202	180	D	11/7/1996	401813	740533
2936204	180	D	11/7/1996	401813	740533
2936284	180	D	11/25/1996	401813	740533
2936563	10	V	2/5/1997	401720	740533
2936564	6	V	2/5/1997	401720	740533
2936565	6	V	2/5/1997	401720	740533
2936566	6	V	2/5/1997	401720	740533
2936567	6	V	2/5/1997	401720	740533
2936568	35	V	2/5/1997	401720	740533
2936569	35	V	2/5/1997	401720	740533
2936570	35	V	2/5/1997	401720	740533
2936571	20	M	2/5/1997	401720	740533
2936653	180	D	2/28/1997	401813	740533

Table 6-2
Well Search Summary
Site 2567 - Charles Wood Area
Fort Monmouth, New Jersey

NJDEP Permit Number	Depth (feet)	Use*	Permit Date	Lattitude	Longitude
2936654	180	D	2/28/1997	401813	740533
2936658	180	D	3/4/1997	401813	740533
2936753	10	M	3/31/1997	401720	740506
2936968	100	G	5/20/1997	401720	740426
2936969	100	G	5/20/1997	401720	740426
2937036	10	V	6/4/1997	401720	740533
2937037	35	V	6/4/1997	401720	740533
2937899	50	B	11/20/1997	401800	740506
2938654	180	U	5/15/1998	401826	740519
2938660	100	G	5/15/1998	401720	740426
2939028	180	I	7/30/1998	401813	740519

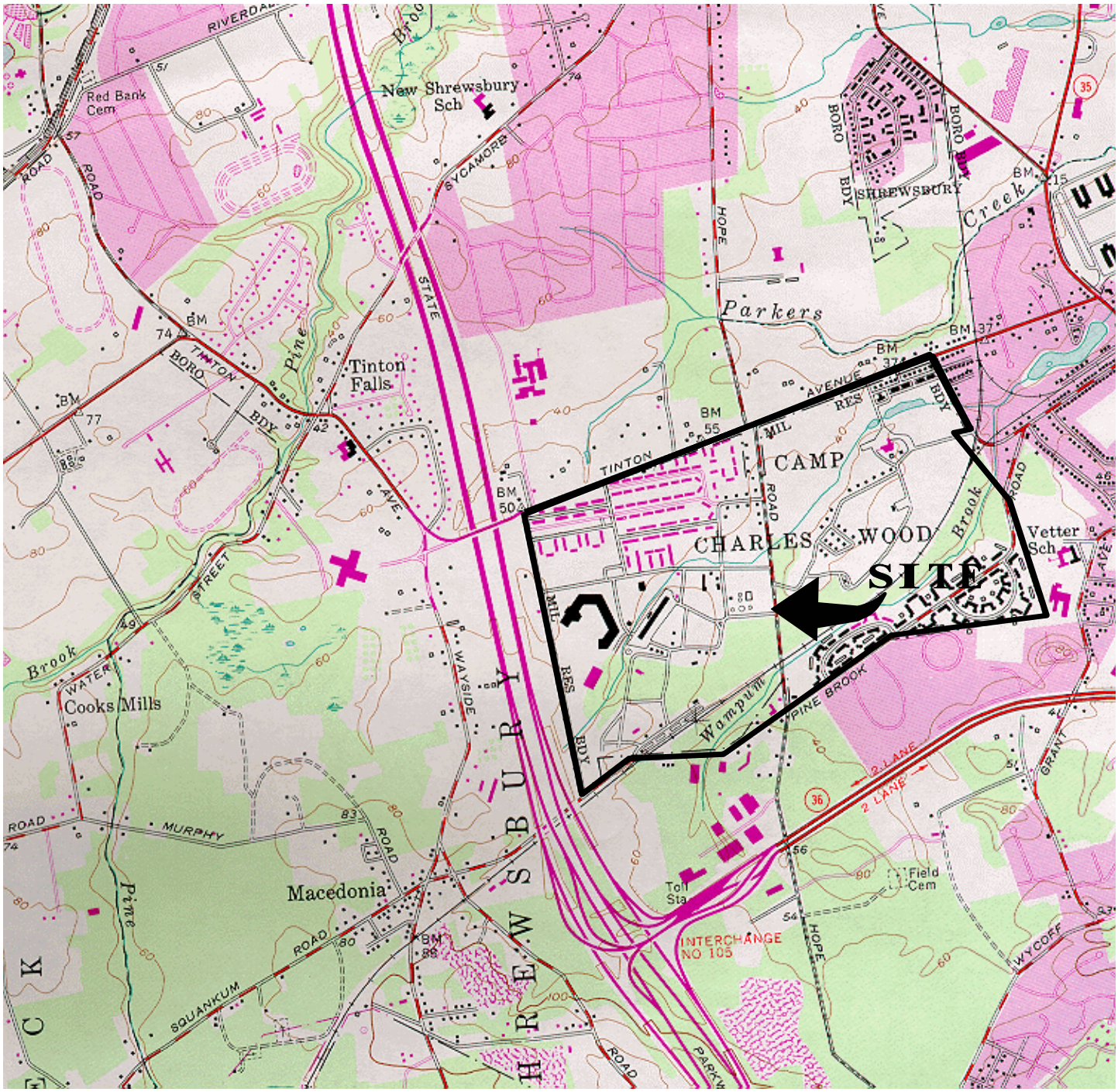
Notes:
Source: State of New Jersey Department of Environmental Protection - Well Permitting and Regulations Section of the Bureau of Water Allocation, Trenton, NJ.
Search date: 6 August 2001.

Well search was performed for a 1-mile radius surrounding the center point of Site 2567, U.S. Army Garrison Fort Monmouth, Fort Monmouth, New Jersey.

2567 Location: latitude = North 40° 17' 45",
longitude = West 74° 04' 46".

***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

FIGURES



LONG BRANCH, N. J.

40073-C8-TF-024

1954

PHOTOREVISED 1981

DMA 6164 I SE-SERIES V822

NEW JERSEY

QUADRANGLE LOCATION

Mapped, edited and published by the Geological Survey

Figure 2-1
Site Location Map
Site 2567
Fort Monmouth, New Jersey

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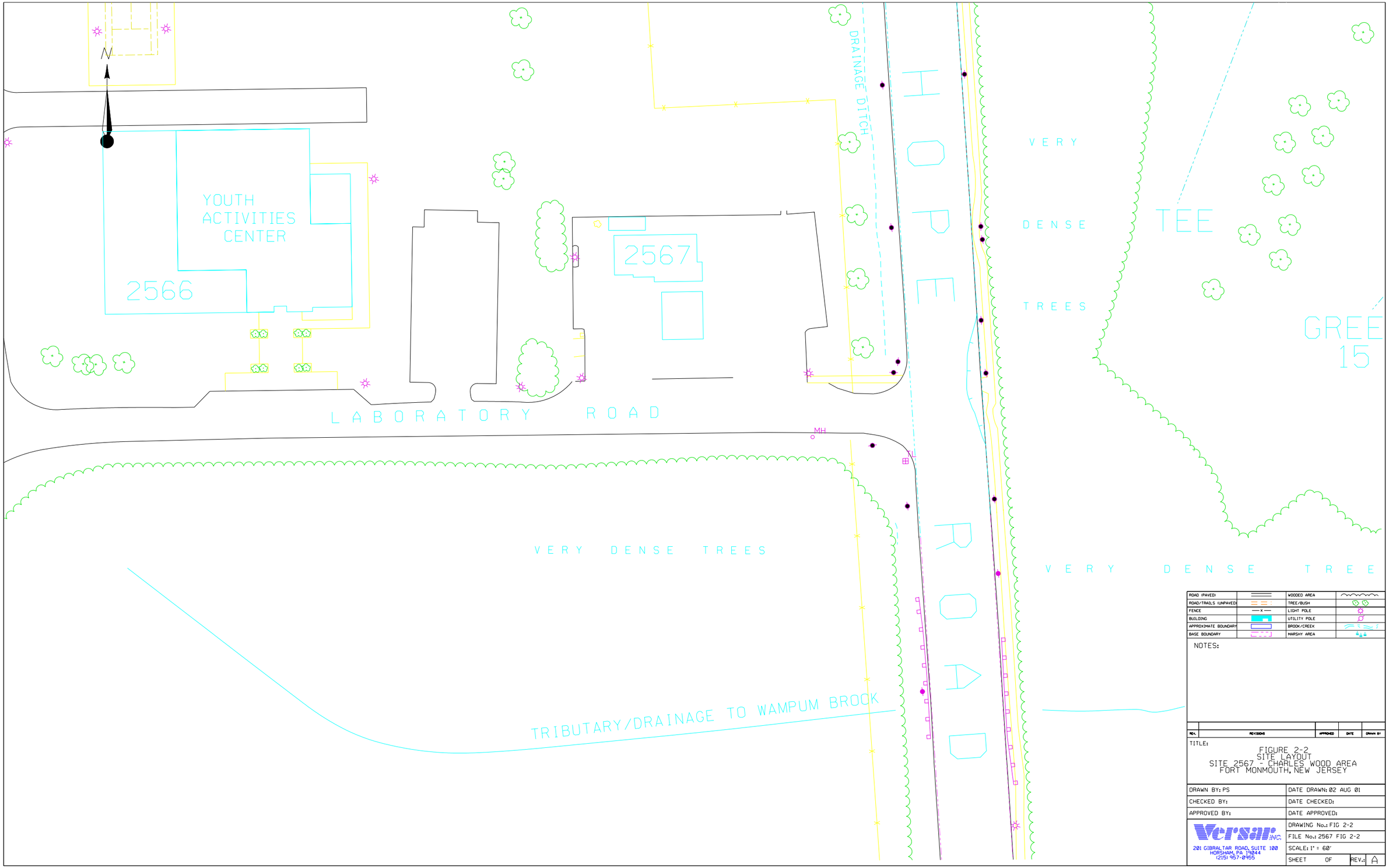

ROAD (PAVED)		WOODED AREA	
ROAD/TRAILS (UNPAVED)		TREE/BUSH	
FENCE	—x—	LIGHT POLE	
BUILDING		UTILITY POLE	
APPROXIMATE BOUNDARY		BROOK/CREEK	
BASE BOUNDARY		MARSHY AREA	

NOTES:

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-2
SITE LAYOUT
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: PS	DATE DRAWN: 02 AUG 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIG 2-2
	FILE No.: 2567 FIG 2-2
	SCALE: 1" = 60'
	SHEET OF REV.:

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N

YOUTH ACTIVITIES CENTER

2566

2567

2567-MW4

2567-MW2

2567-MW1

2567-MW3

LABORATORY ROAD

MH

2567-MW7

2567-MW6

2567-MW5

VERY DENSE TREES

TRIBUTARY/DRAINAGE TO WAMPUM BROCK

HOLE

ROAD

VERY DENSE TREES

TEE

GREE

15

VERY DENSE TREE

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

NOTES:

= MONITORING WELL LOCATION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-3
MONITORING WELL LOCATION MAP
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JM	DATE DRAWN: 02 JUL 01
CHECKED BY:	DATE CHECKED: 02 JUL 01
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 2-3
	FILE No.: FIGURE 2-3
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.:

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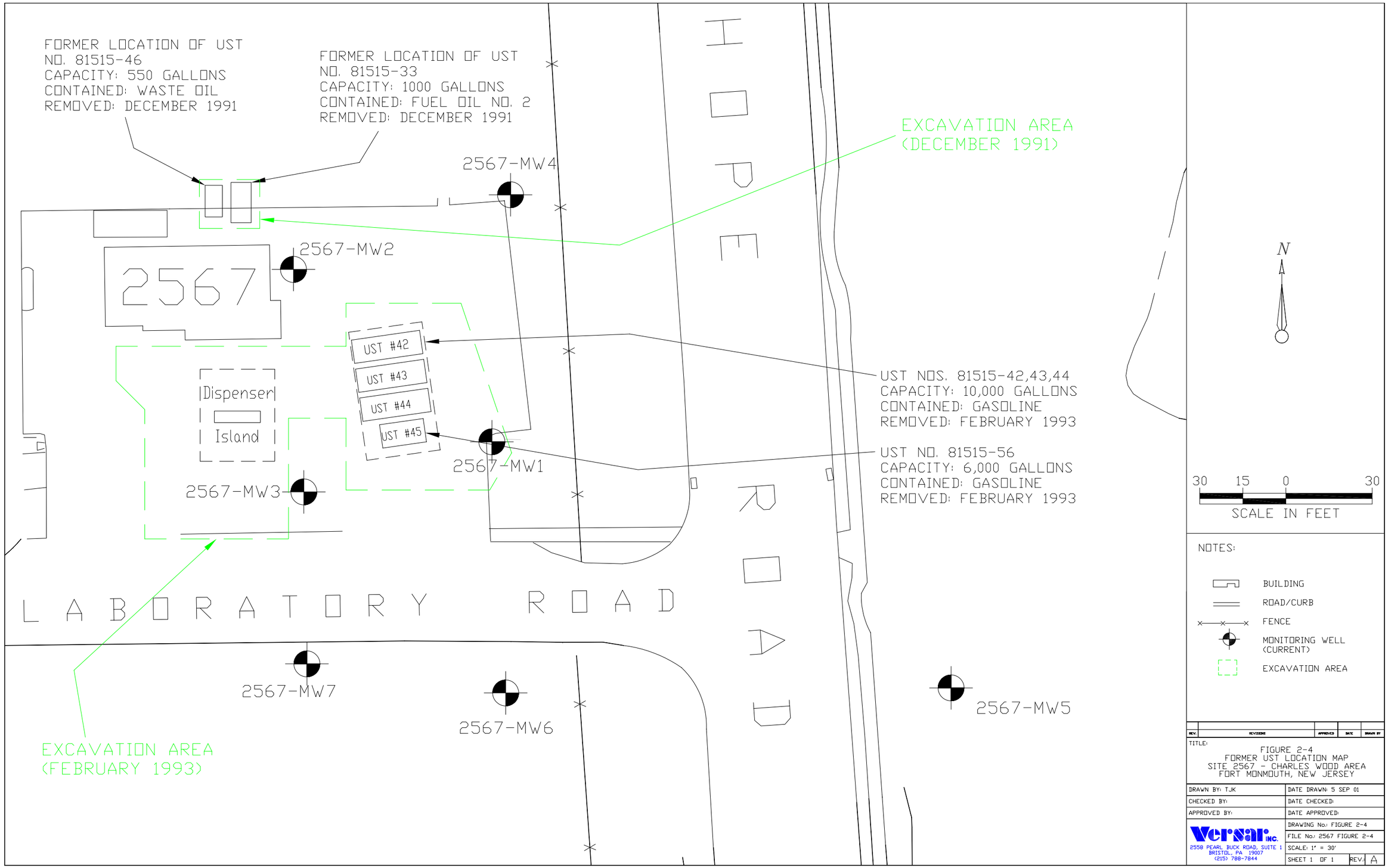

NOTES:

- BUILDING
- ROAD/CURB
- FENCE
- MONITORING WELL (CURRENT)
- EXCAVATION AREA

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-4
FORMER UST LOCATION MAP
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK	DATE DRAWN: 5 SEP 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 2-4
	FILE No.: 2567 FIGURE 2-4
	SCALE: 1" = 30'
	SHEET 1 OF 1 REV.: A

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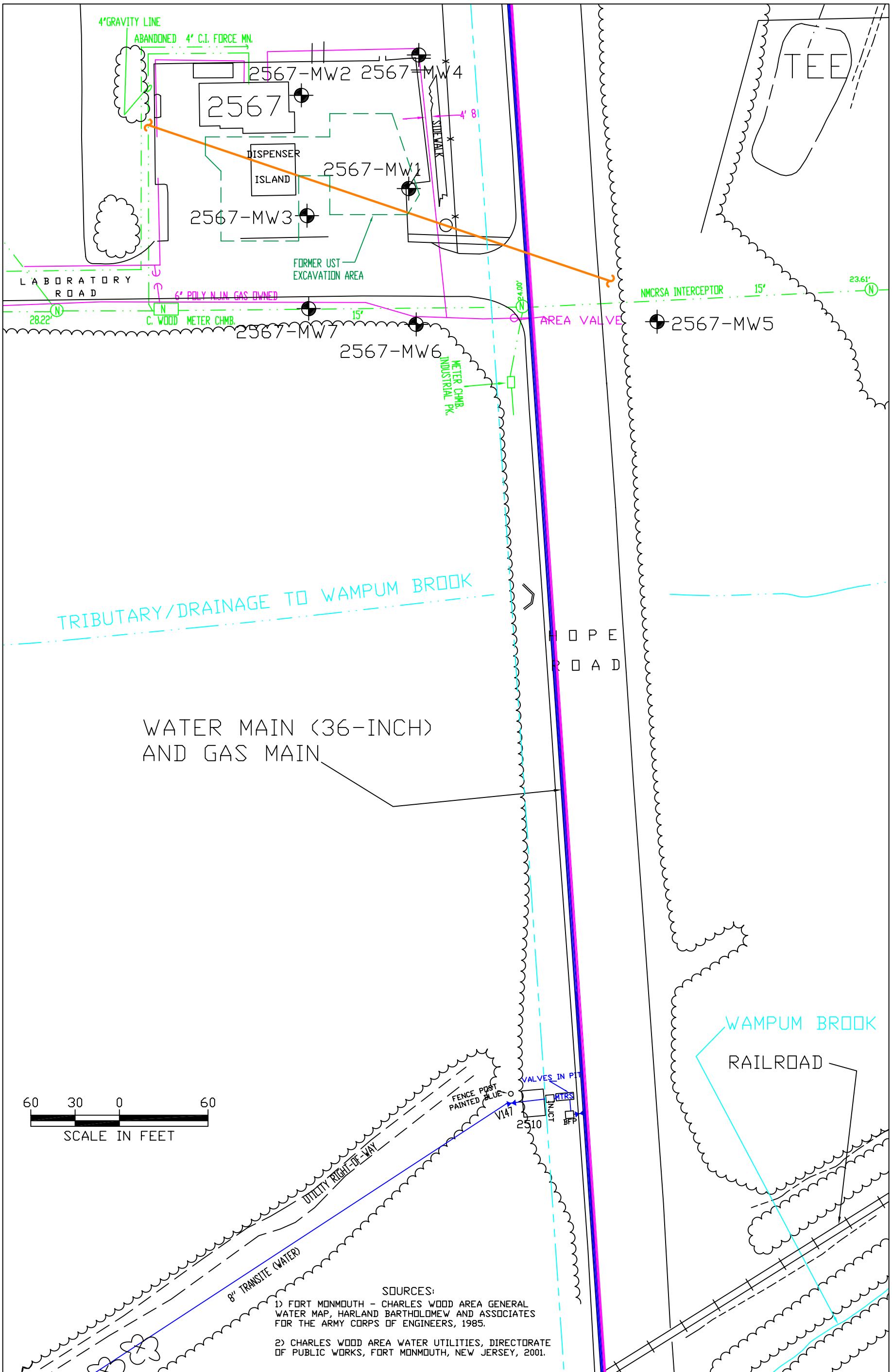

SOURCES:

1) FORT MONMOUTH - CHARLES WOOD AREA GENERAL WATER MAP, HARLAND BARTHOLOMEW AND ASSOCIATES FOR THE ARMY CORPS OF ENGINEERS, 1985.

2) CHARLES WOOD AREA WATER UTILITIES, DIRECTORATE OF PUBLIC WORKS, FORT MONMOUTH, NEW JERSEY, 2001.

NOTES:

- BUILDING
- ROAD/CURB
- FENCE
- MONITORING WELL
- TREES/VEGETATION
- CULVERT
- SANITARY SEWER
- 28.22 (N) NMCRSA MANHOLE (S) WITH INVERT ELEVATION (FT ABOVE MEAN SEA LEVEL
- GAS
- WATER
- ABANDONED SEWER LINE
- SWALE

N

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 2-5
UNDERGROUND UTILITIES LOCATION MAP
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK	DATE DRAWN: 11 DEC 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 2-5
	FILE No.: 2567 FIGURE 2-5
	SCALE: 1" = 60'
	SHEET 1 OF 1 REV.: A

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Geologic Map of New Jersey

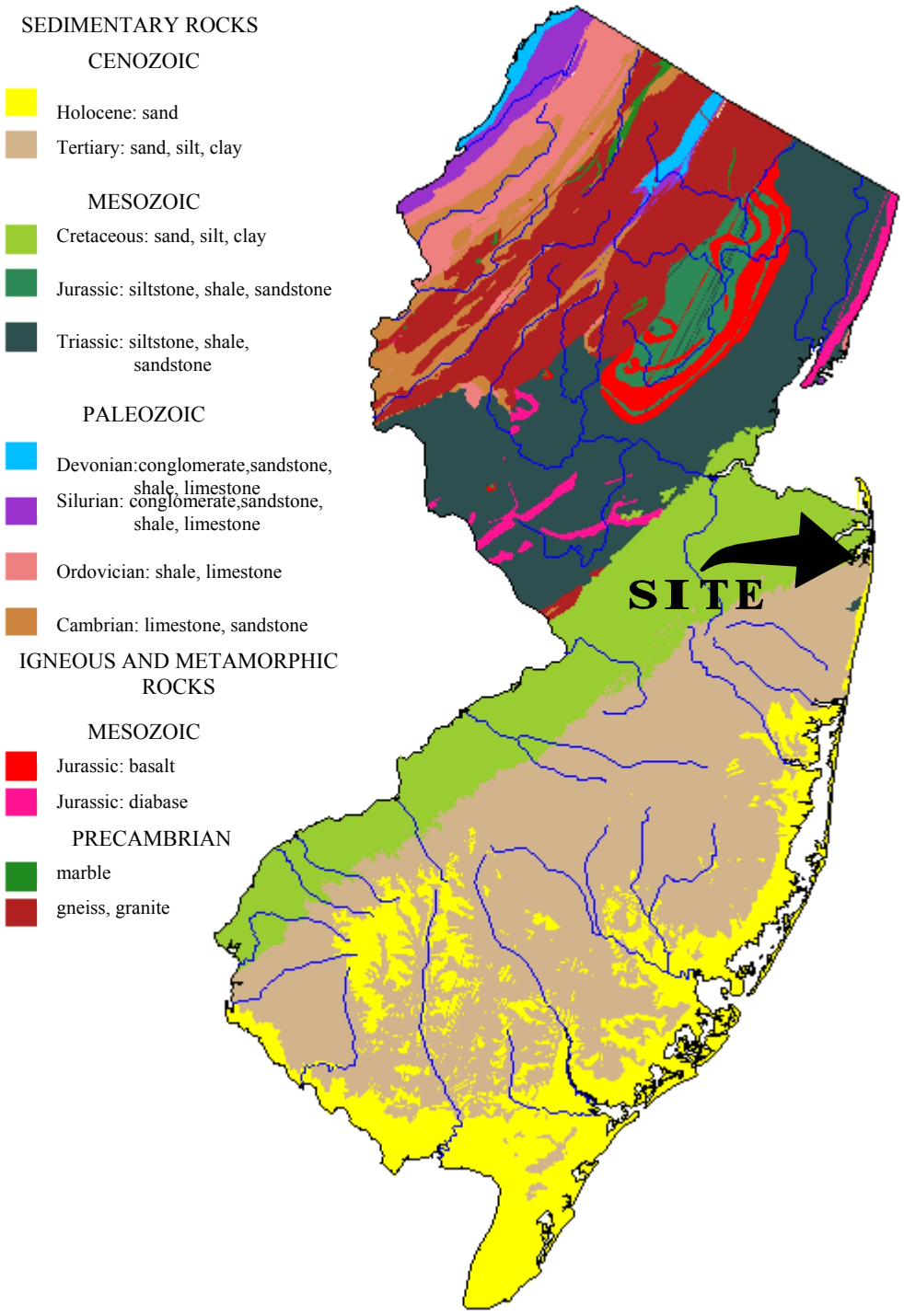

FIGURE 2-6
Geologic Map of New Jersey
Site 2567
Fort Monmouth, New Jersey

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

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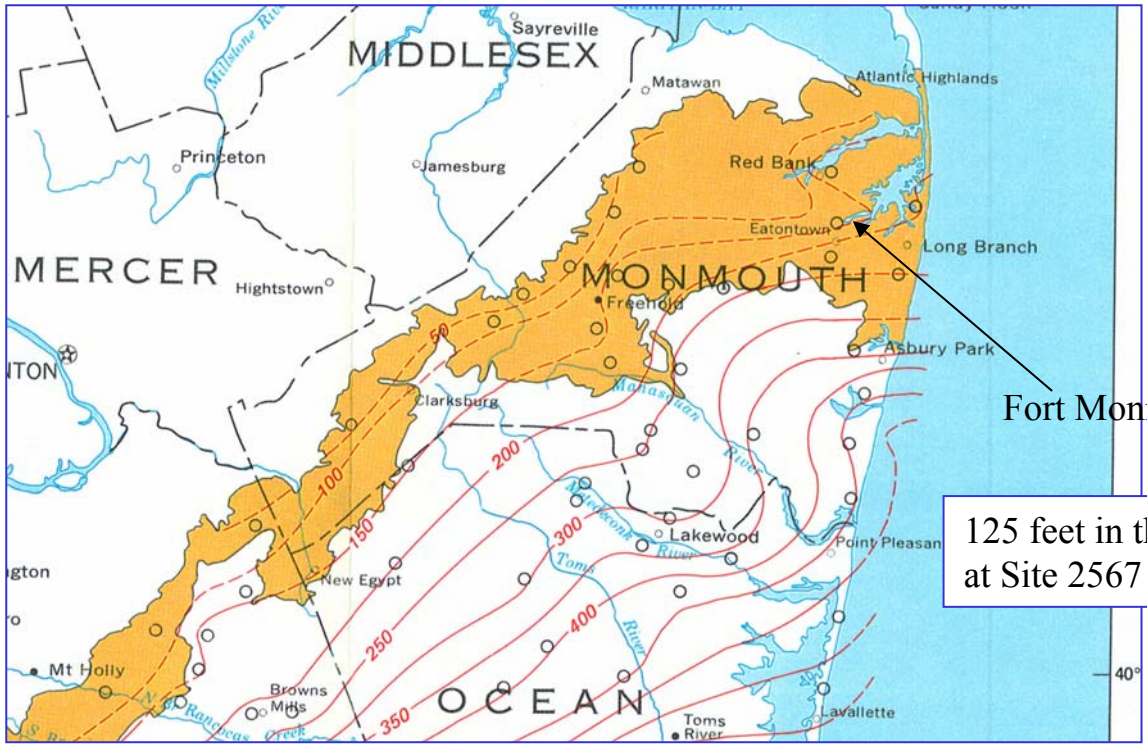

EXPLANATION

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

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

Well location

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

FIGURE 2-7

Outcrop and Thickness of Composite Confining Unit Site-2567 Fort Monmouth, New Jersey

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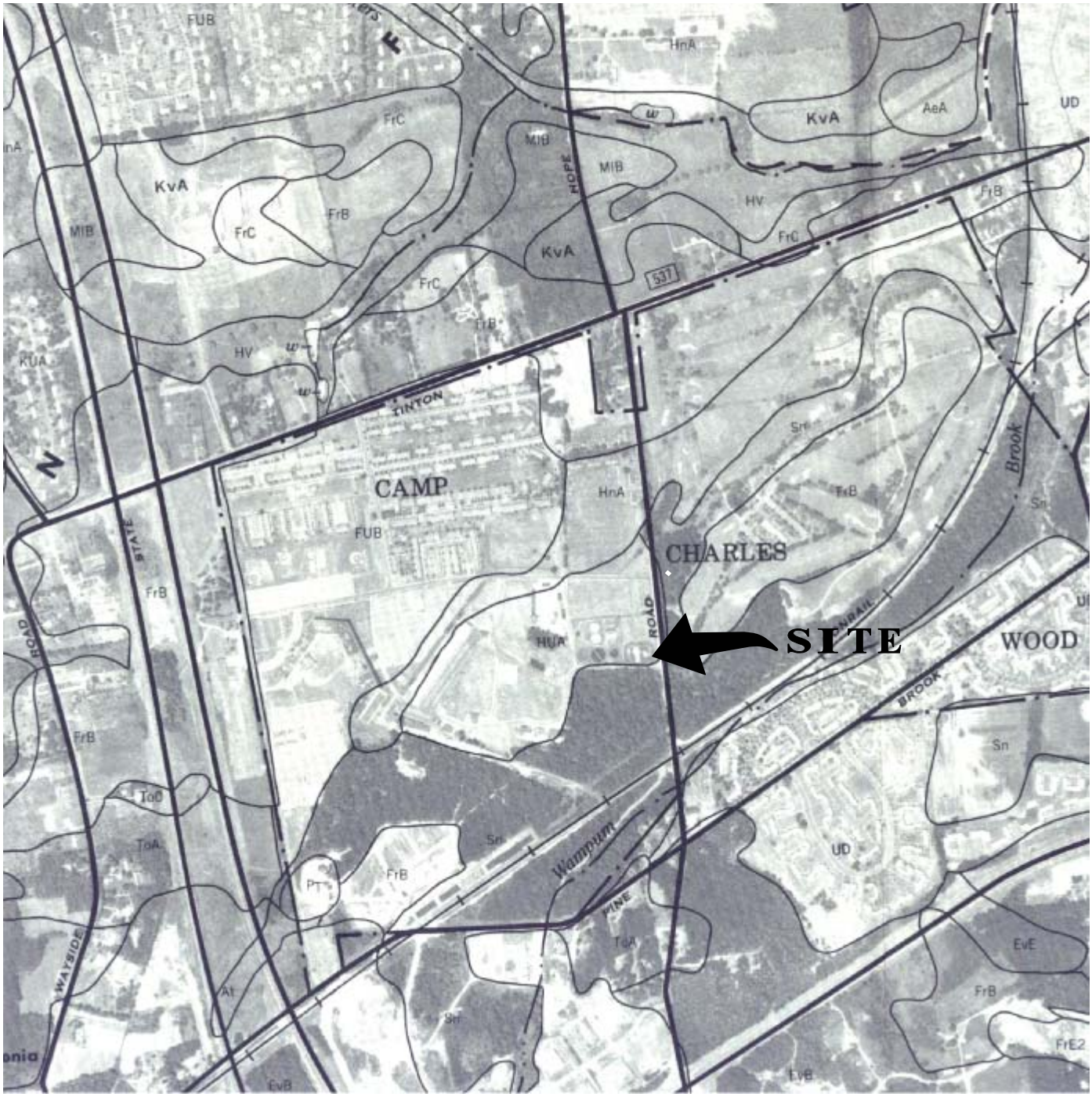

US Department of Agriculture
Soil Conservation Service
Soil Survey of Monmouth County, NJ
April 1989

Figure 2-8
Soil Map of Monmouth County
Site 2567
Fort Monmouth, New Jersey

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4" GRAVITY LINE

ABANDONED 4" C.I. FORCE MN.

2567-MW2 2567-MW4

2567

A

4' 8

SIDEWALK

DISPENSER ISLAND

2567-MW1

2567-MW3

L A B O R A T O R Y R O A D

FORMER UST EXCAVATION AREA

6" POLY N.J.N. GAS OWNED

28.22'

C. WOOD METER CHMB.

15"

2567-MW7 A'

2567-MW6

METER CHMB. INDUSTRIAL PK.

24.00'

AREA VALVE

NMCRSA INTERCEPTOR 15"

23.61'

2567-MW5 A"

R O P E R O A D

TEE

N

40 20 0 40

SCALE IN FEET

NOTES:

- BUILDING
- ROAD/CURB
- FENCE
- WOODED AREA
- MONITORING WELL
- SANITARY SEWER
- NMCRSA MANHOLE (S) WITH INVERT ELEVATION (FT ABOVE MEAN SEA LEVEL
- GAS
- WATER
- ABANDONED SEWER LINE
- SWALE
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4-1
GEOLOGIC CROSS SECTION LOCATION MAP
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK	DATE DRAWN: 5 SEP 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-1
	FILE No.: 2567 FIGURE 4-1
	SCALE: 1" = 40'
	SHEET 1 OF 1 REV.: A

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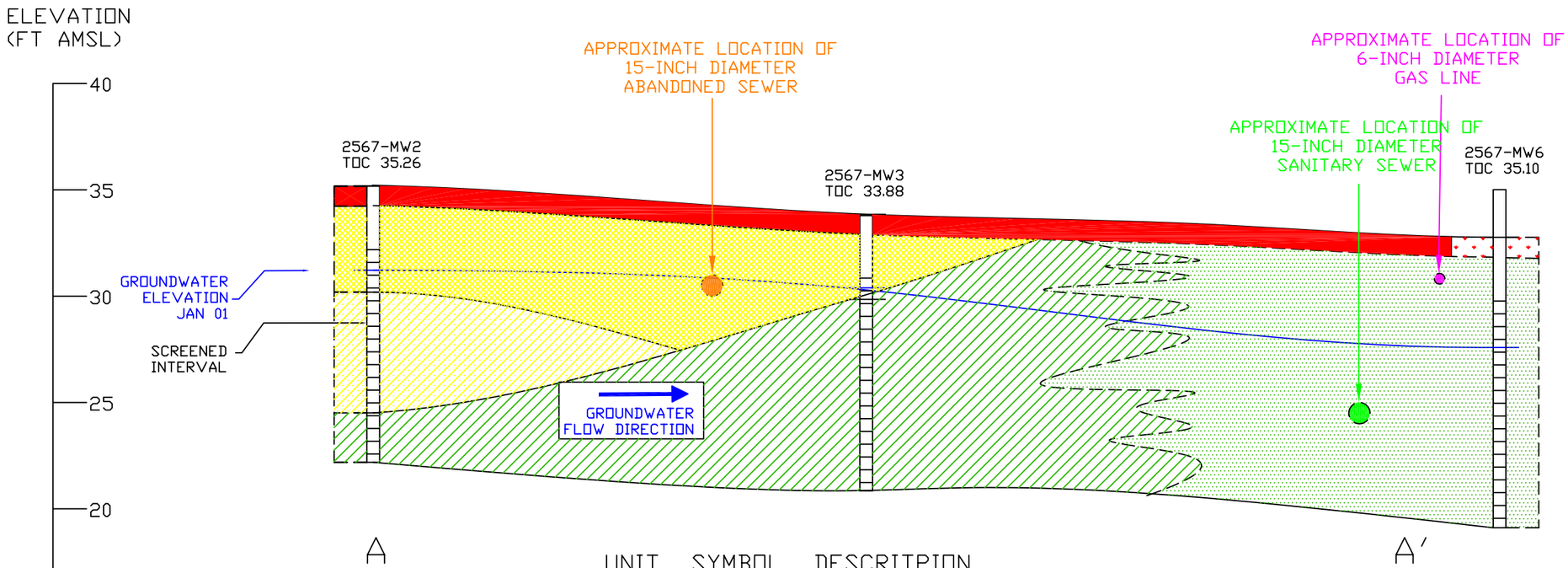

UNIT	SYMBOL	DESCRIPTION
(1)		TOP SOIL/ROOTS
(2)		ASPHALT/BASE STONE
(3)		LIGHT ORANGE SAND - FILL
(4)		LIGHT GREEN SAND - FILL
		TINTON FORMATION
(5)		DARK BROWN/BLACK CLAY WITH SOME FINE SAND
(6)		MEDIUM FINE SAND

NOTES:

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

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

3) TOC = ELEVATION OF INNER WELL CASING SURVEY MARK (FEET AMSL).

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

5) BOUNDARIES ARE DASHED WHERE INFERRED.

6) THE SIZE OF THE UNDERGROUND UTILITY PIPES IS PORTRAYED IN THE VERTICAL SCALE (1"=6')

REV.	REVISIONS	APPROVED	DRAWN BY

TITLE:
FIGURE 4-2
GEOLOGIC CROSS SECTION A-A'
SITE 2567- CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: PS/TJK	DATE DRAWN: 10 AUG 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-2
	FILE No.: 2567 FIG 4-2
	SCALE: 1" = 20' (VERT:1"=6)
	SHEET 1 OF 1 REV.: A

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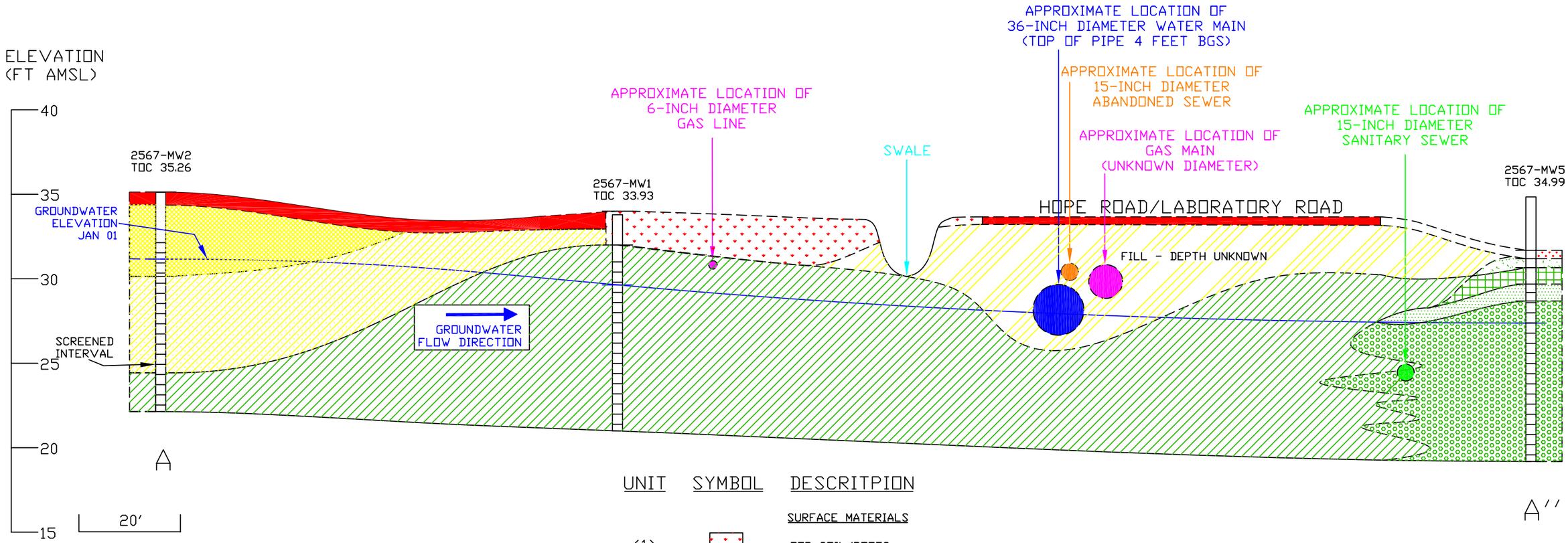

UNIT	SYMBOL	DESCRIPTION
		SURFACE MATERIALS
(1)		TOP SOIL/ROOTS
(2)		ASPHALT/BASE STONE
(3)		LIGHT ORANGE SAND - FILL
(4)		LIGHT GREEN SAND - FILL
(7)		FILL - UNKNOWN DEPTH AND LITHOLOGY
		TINTON FORMATION
(5)		DARK BROWN/BLACK CLAY WITH SOME FINE GREEN SAND
(8)		BROWN FINE SAND
(9)		BLACK, SOFT CLAY
(10)		BROWN FINE SAND AND SILTS
(11)		GRAY MEDIUM SAND WITH WELL-ROUNDED GRAVEL

NOTES:

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

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

3) TOC = ELEVATION OF INNER WELL CASING SURVEY MARK (FEET AMSL).

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

5) BOUNDARIES ARE DASHED WHERE INFERRED.

6) THE SIZE OF THE UNDERGROUND UTILITY PIPES IS PORTRAYED IN THE VERTICAL SCALE (1"=6')

7) THE SIZE OF THE UNDERGROUND UTILITY PIPES IS REPRESENTED IN THE VERTICAL SCALE (1"=6')

REV.	REVISIONS	APPROVED	DRAWN BY

TITLE:
FIGURE 4-3
GEOLOGIC CROSS SECTION A-A''
SITE 2567- CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: PS/TJK	DATE DRAWN: 10 AUG 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-3
	FILE No.: 2567 FIG. 4-3
	SCALE: 1" = 20' (VERT:1"=6')
	SHEET 1 OF 1 REV.: A

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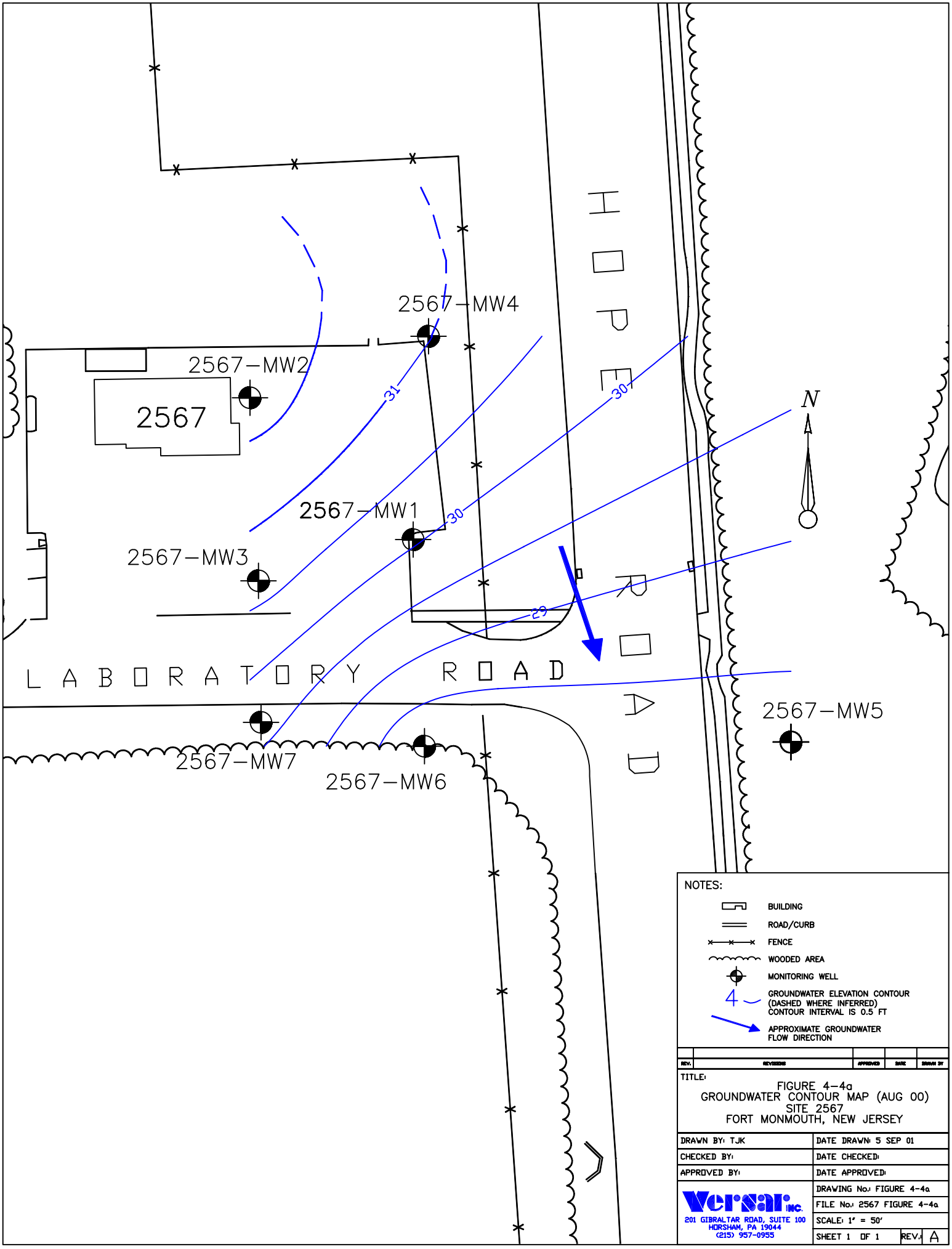
2567–MW4
2567–MW2
2567
31
30
2567–MW1
30
2567–MW3
29
N
L A B O R A T O R Y R O A D
2567–MW5
2567–MW7
2567–MW6
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR
(DASHED WHERE INFERRED)
CONTOUR INTERVAL IS 0.5 FT
APPROXIMATE GROUNDWATER
FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4a
GROUNDWATER CONTOUR MAP (AUG 00)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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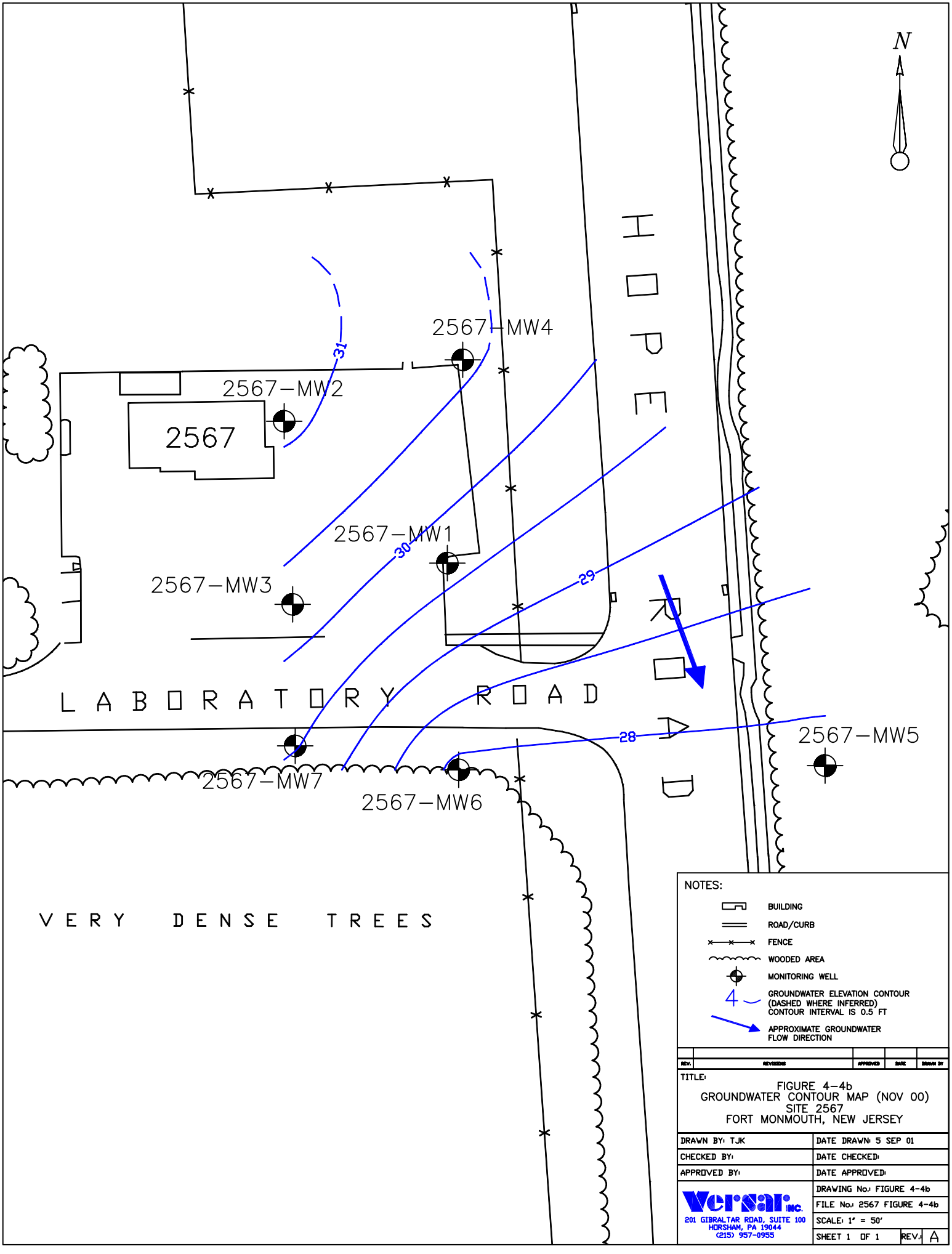
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-4a
FILE No.: 2567 FIGURE 4-4a
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
HOPE ROAD
2567
2567–MW1
2567–MW2
2567–MW3
2567–MW4
2567–MW5
2567–MW6
2567–MW7
31
30
29
28
LABORATORY ROAD
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 0.5 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4b
GROUNDWATER CONTOUR MAP (NOV 00)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
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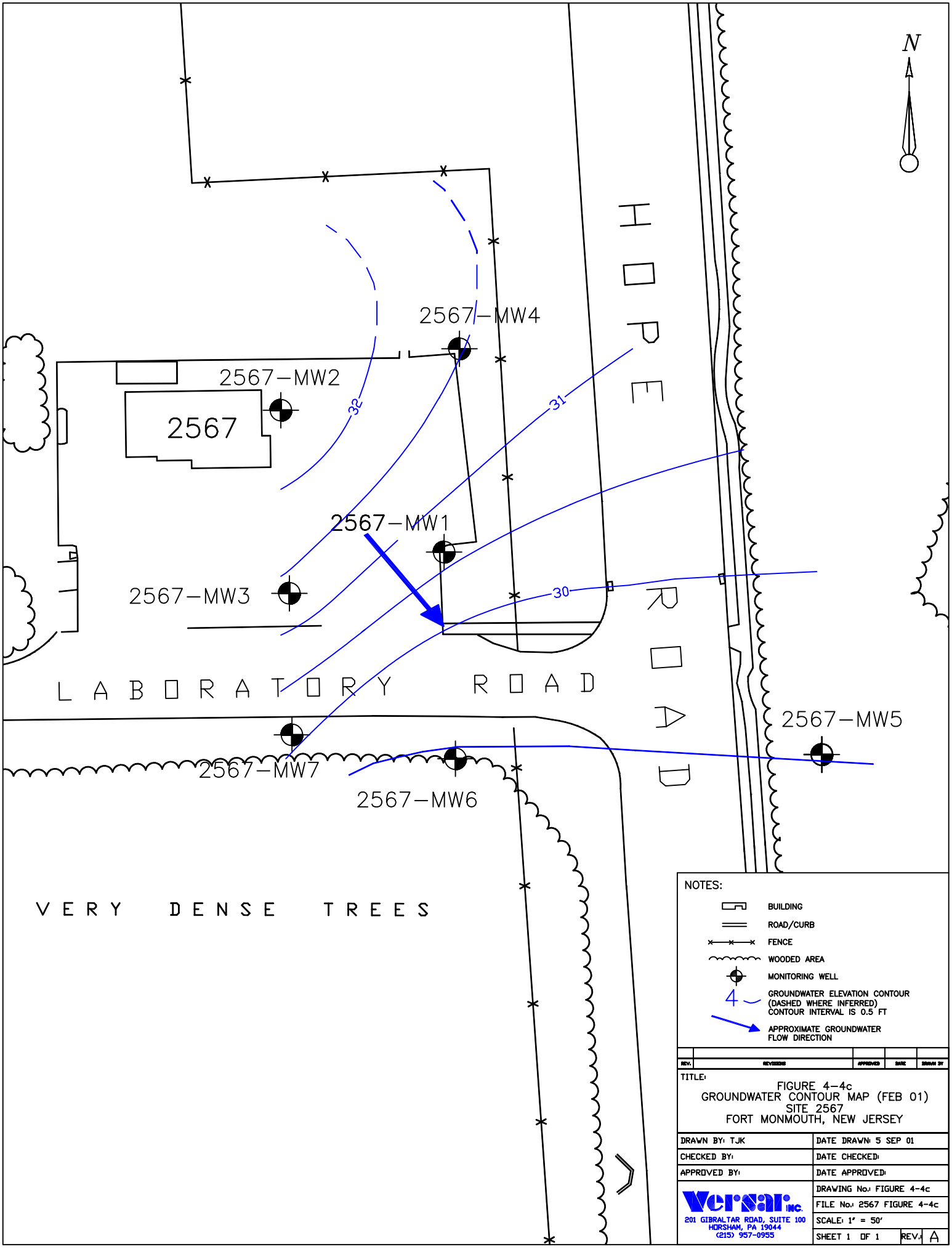
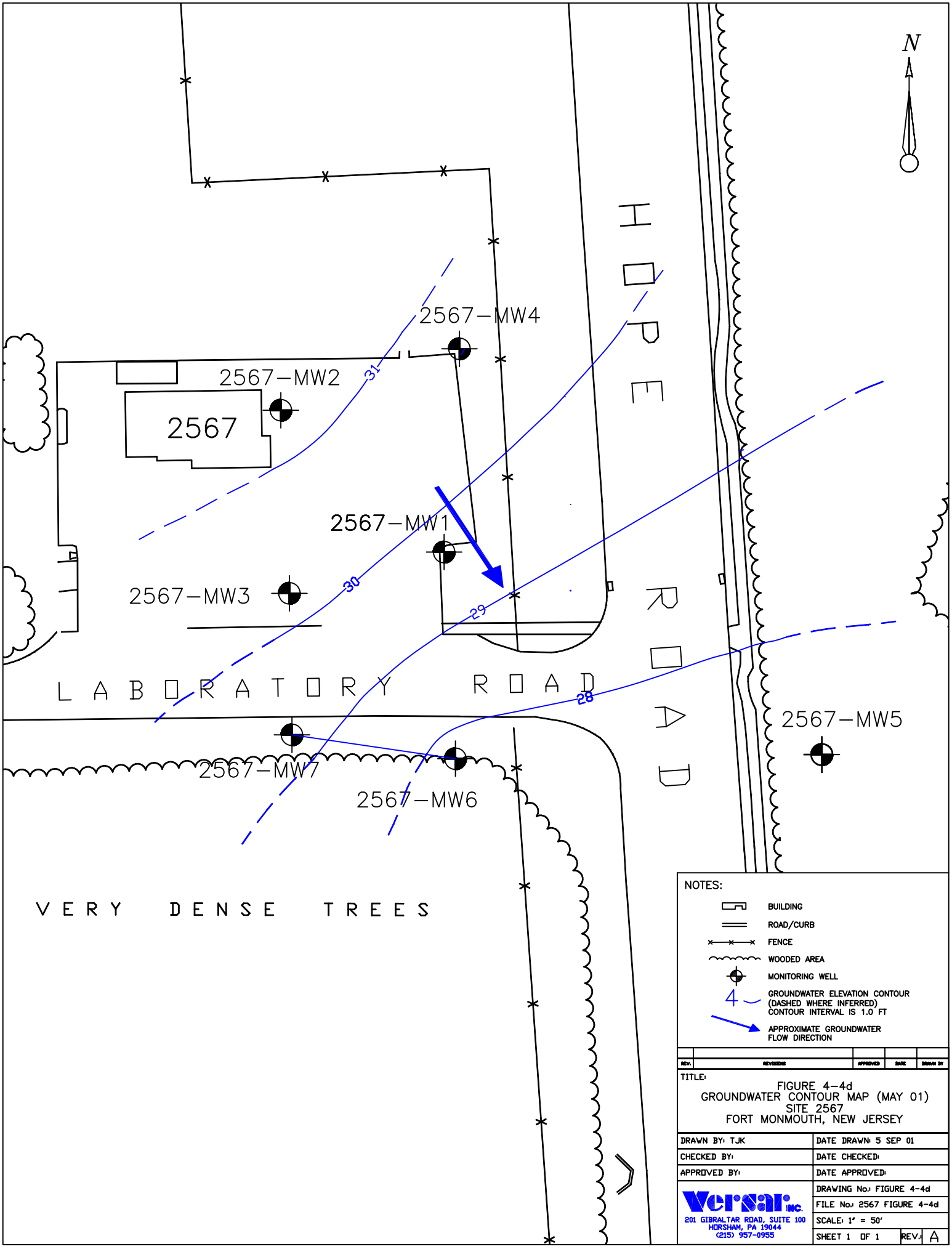
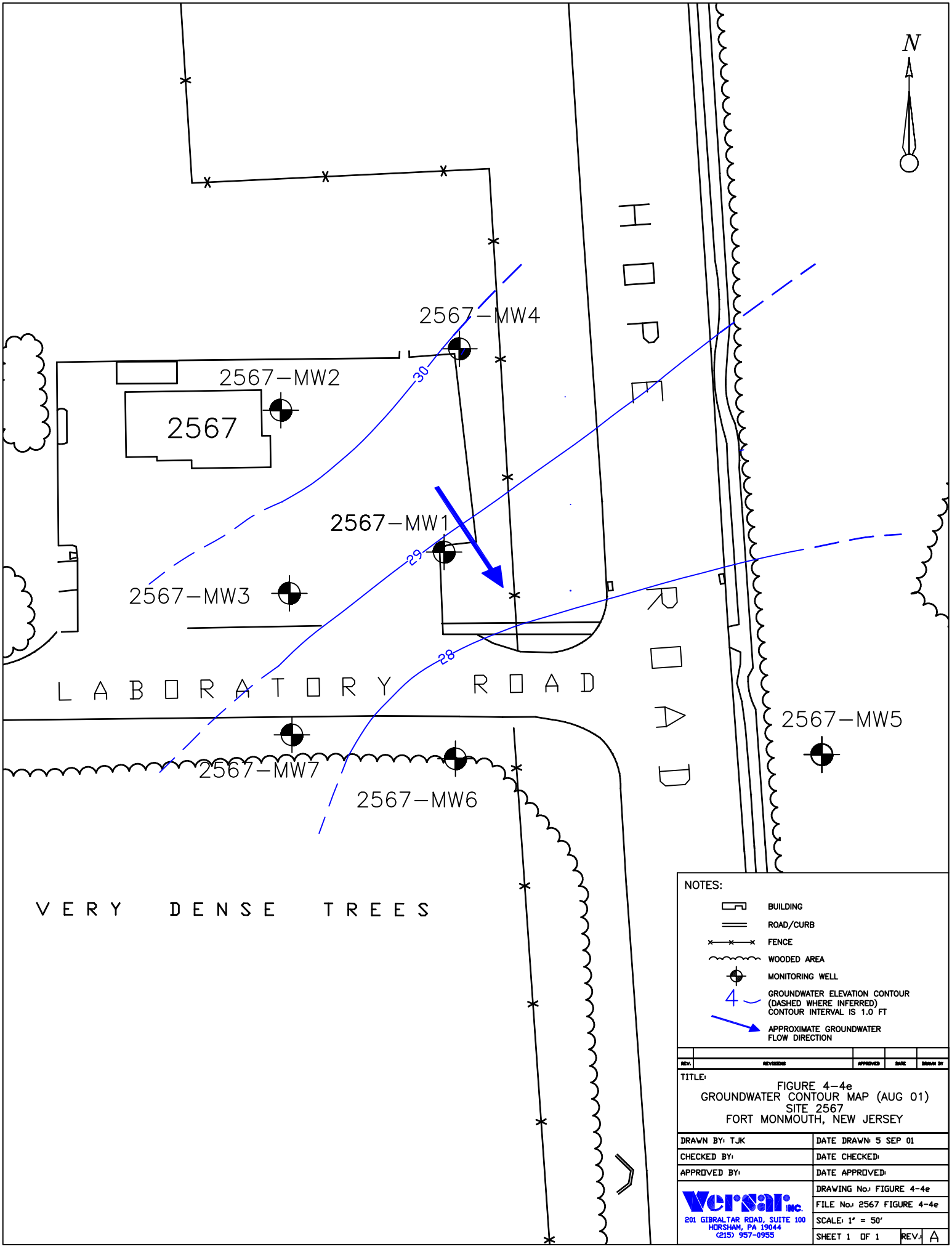
DRAWING No.: FIGURE 4-4b
FILE No.: 2567 FIGURE 4-4b
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
32
31
2567–MW1
2567–MW3
30
HOPE ROAD
LABORATORY ROAD
2567–MW5
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR
(DASHED WHERE INFERRED)
CONTOUR INTERVAL IS 0.5 FT
APPROXIMATE GROUNDWATER
FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4c
GROUNDWATER CONTOUR MAP (FEB 01)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-4c
FILE No.: 2567 FIGURE 4-4c
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
31
2567–MW1
2567–MW3
30
29
28
2567–MW5
2567–MW7
2567–MW6
HOPE ROAD
LABORATORY ROAD
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4d
GROUNDWATER CONTOUR MAP (MAY 01)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
Versar INC.
201 GIBRALTAR ROAD, SUITE 100
HORSHAM, PA 19044
(215) 957-0955
DRAWING No.: FIGURE 4-4d
FILE No.: 2567 FIGURE 4-4d
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A



NOTES:

- BUILDING
- ROAD/CURB
- FENCE
- WOODED AREA
- MONITORING WELL
- 4 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4–4e
GROUNDWATER CONTOUR MAP (AUG 01)
SITE 2567
FORT MONMOUTH, NEW JERSEY

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APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-4e
	FILE No.: 2567 FIGURE 4-4e
	SCALE: 1" = 50'
	SHEET 1 OF 1 REV.: A

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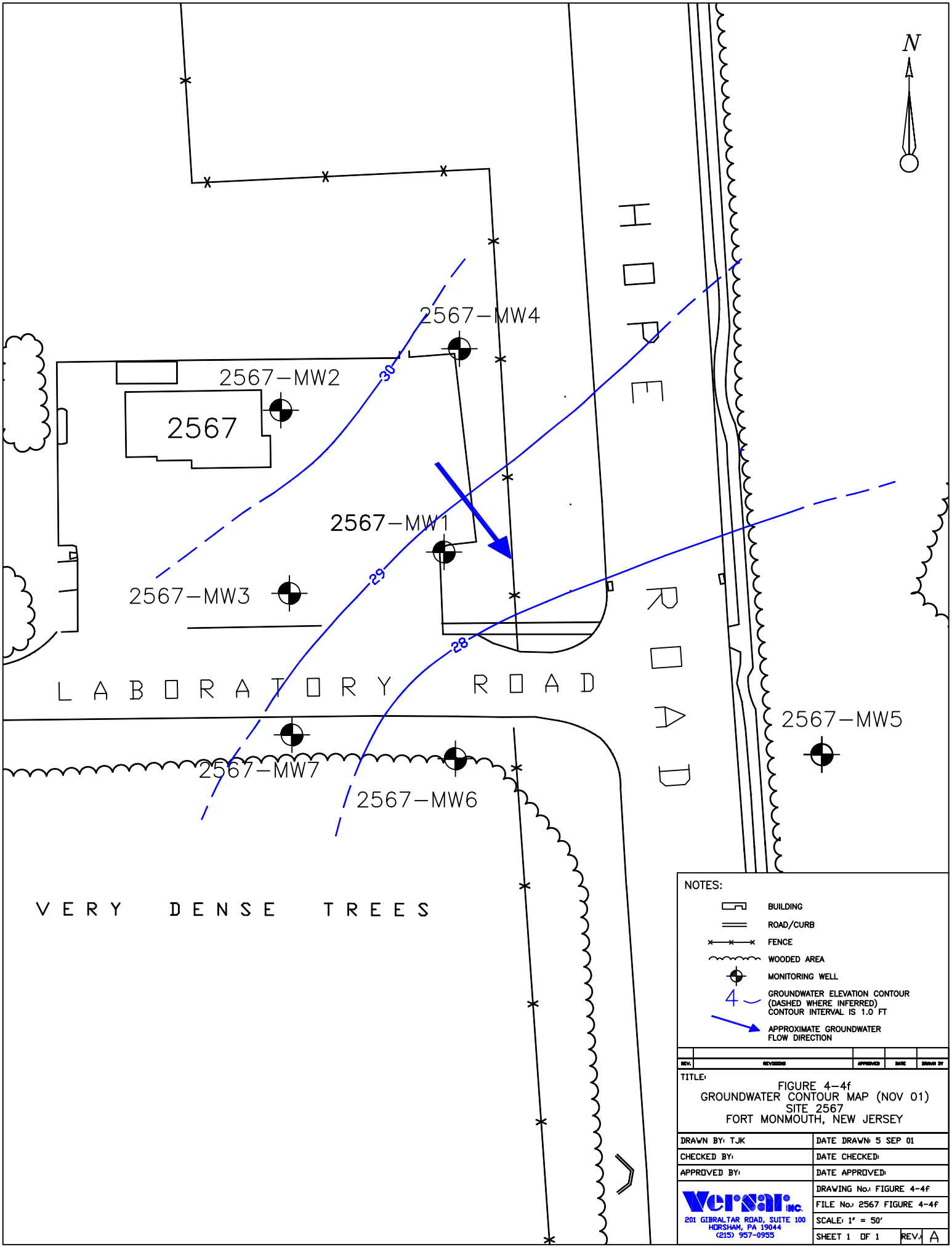

NOTES:

- BUILDING
- ROAD/CURB
- FENCE
- WOODED AREA
- MONITORING WELL
- 4 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 4–4f
GROUNDWATER CONTOUR MAP (NOV 01)
SITE 2567
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK	DATE DRAWN: 5 SEP 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIGURE 4-4f
	FILE No.: 2567 FIGURE 4-4f
	SCALE: 1" = 50'
	SHEET 1 OF 1 REV.: A

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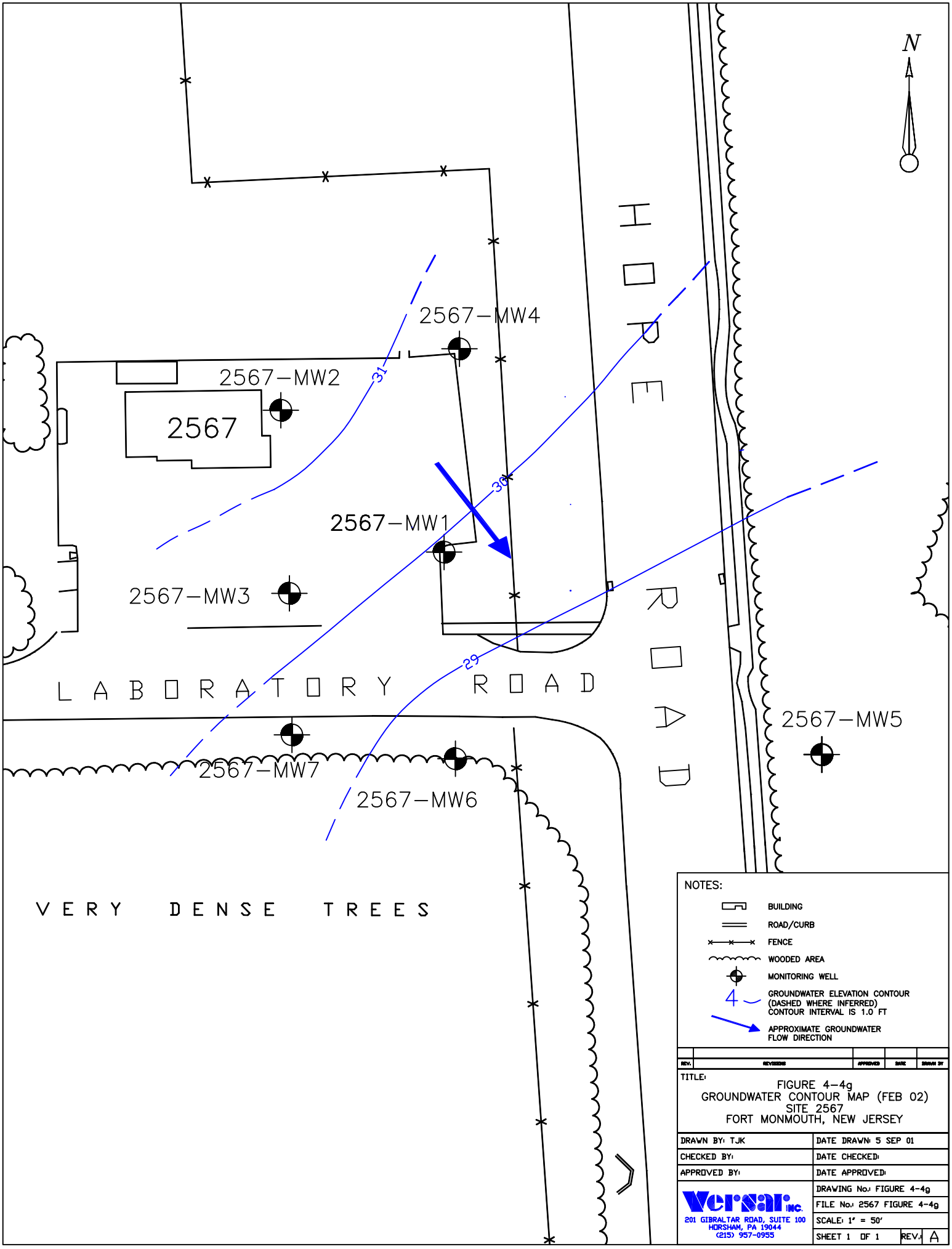
N
2567–MW4
2567–MW2
2567
31
30
29
2567–MW1
2567–MW3
HOBART ROAD
LABORATORY ROAD
2567–MW5
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4g
GROUNDWATER CONTOUR MAP (FEB 02)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
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DATE APPROVED:
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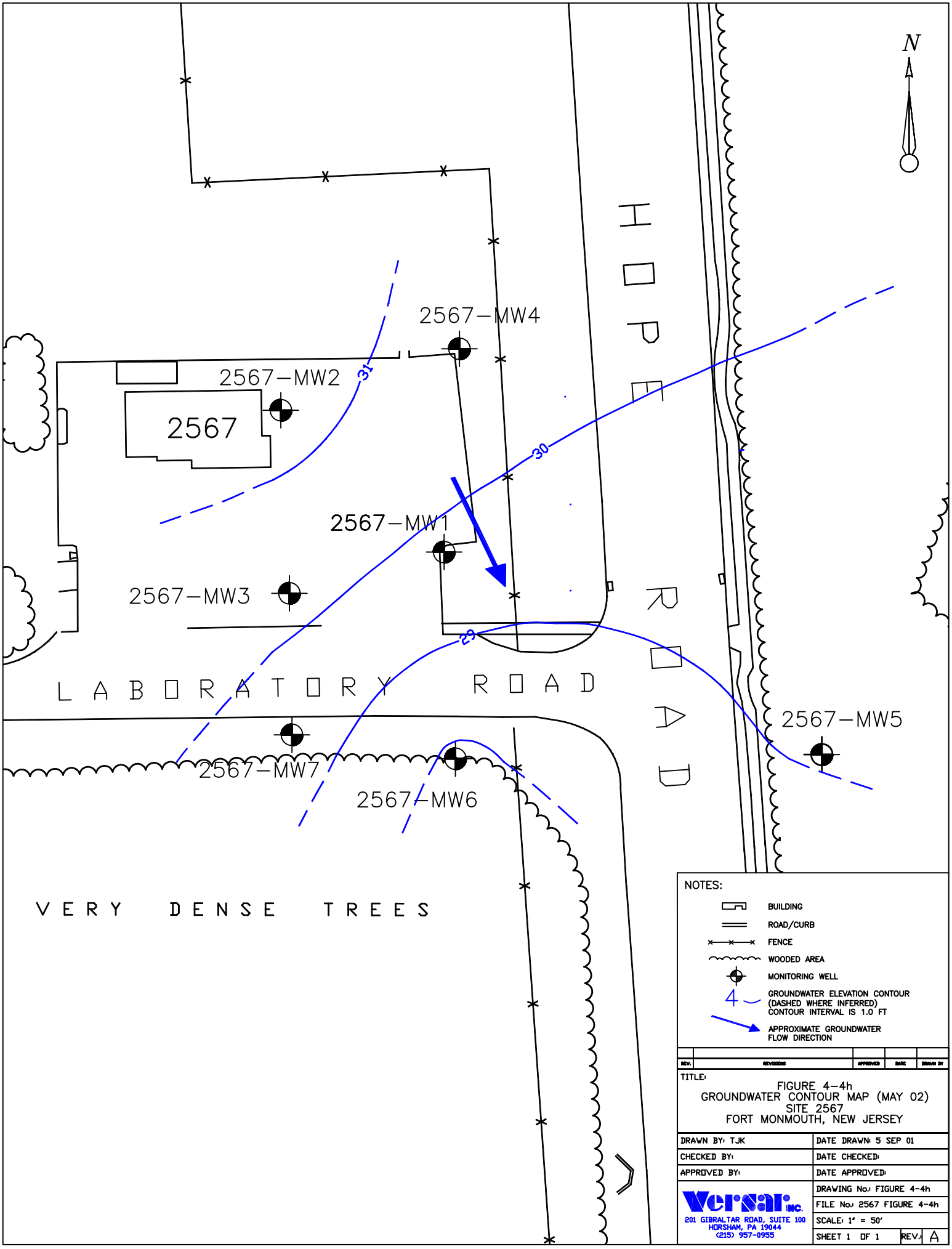
DRAWING No.: FIGURE 4-4g
FILE No.: 2567 FIGURE 4-4g
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
31
30
2567–MW1
2567–MW3
29
HOPE ROAD
LABORATORY ROAD
2567–MW5
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR
(DASHED WHERE INFERRED)
CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER
FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4h
GROUNDWATER CONTOUR MAP (MAY 02)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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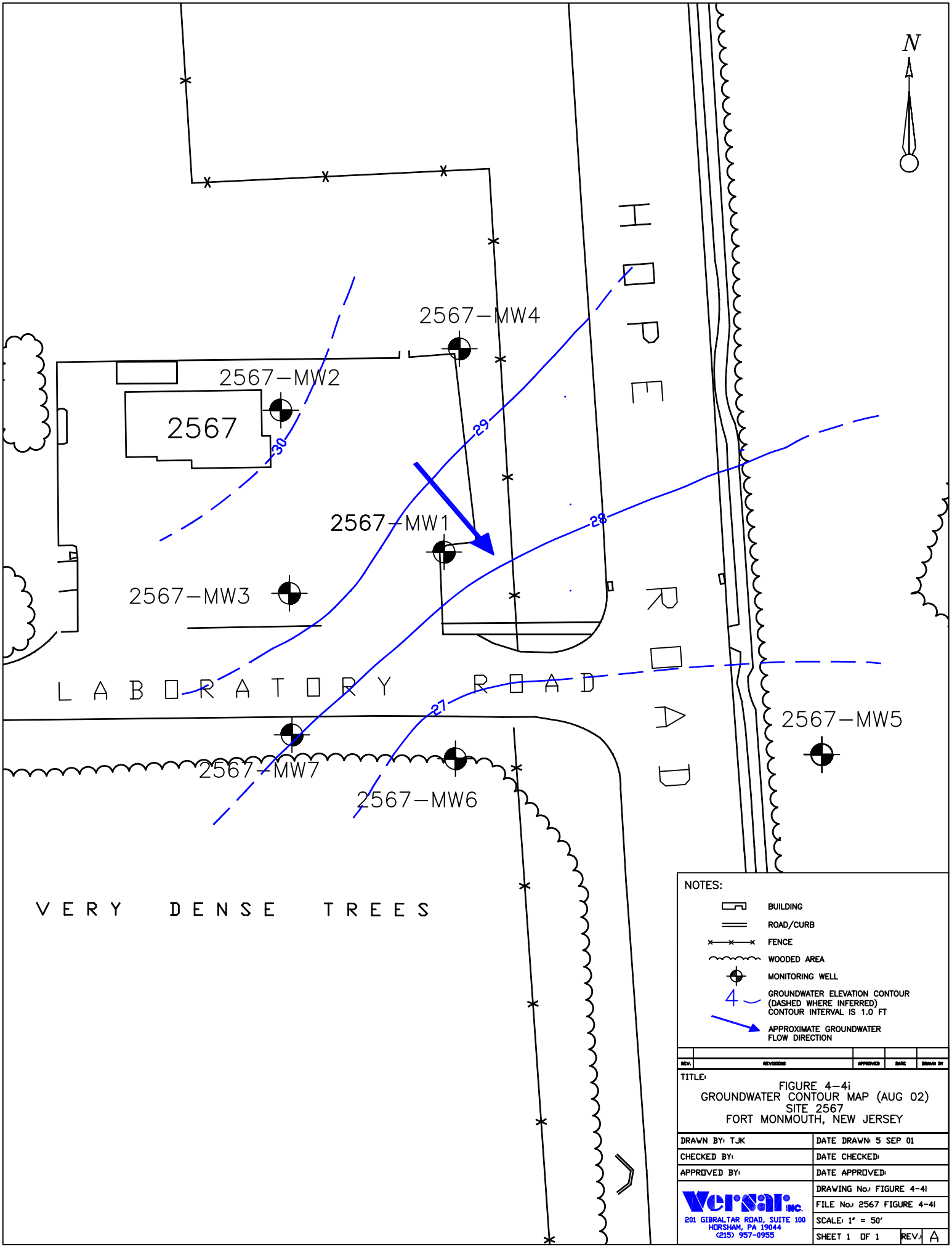
DRAWING No.: FIGURE 4-4h
FILE No.: 2567 FIGURE 4-4h
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
2567–MW1
2567–MW3
2567–MW5
2567–MW7
2567–MW6
30
29
28
27
HOPE ROAD
LABORATORY ROAD
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4-4i
GROUNDWATER CONTOUR MAP (AUG 02)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
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DATE CHECKED:
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DATE APPROVED:
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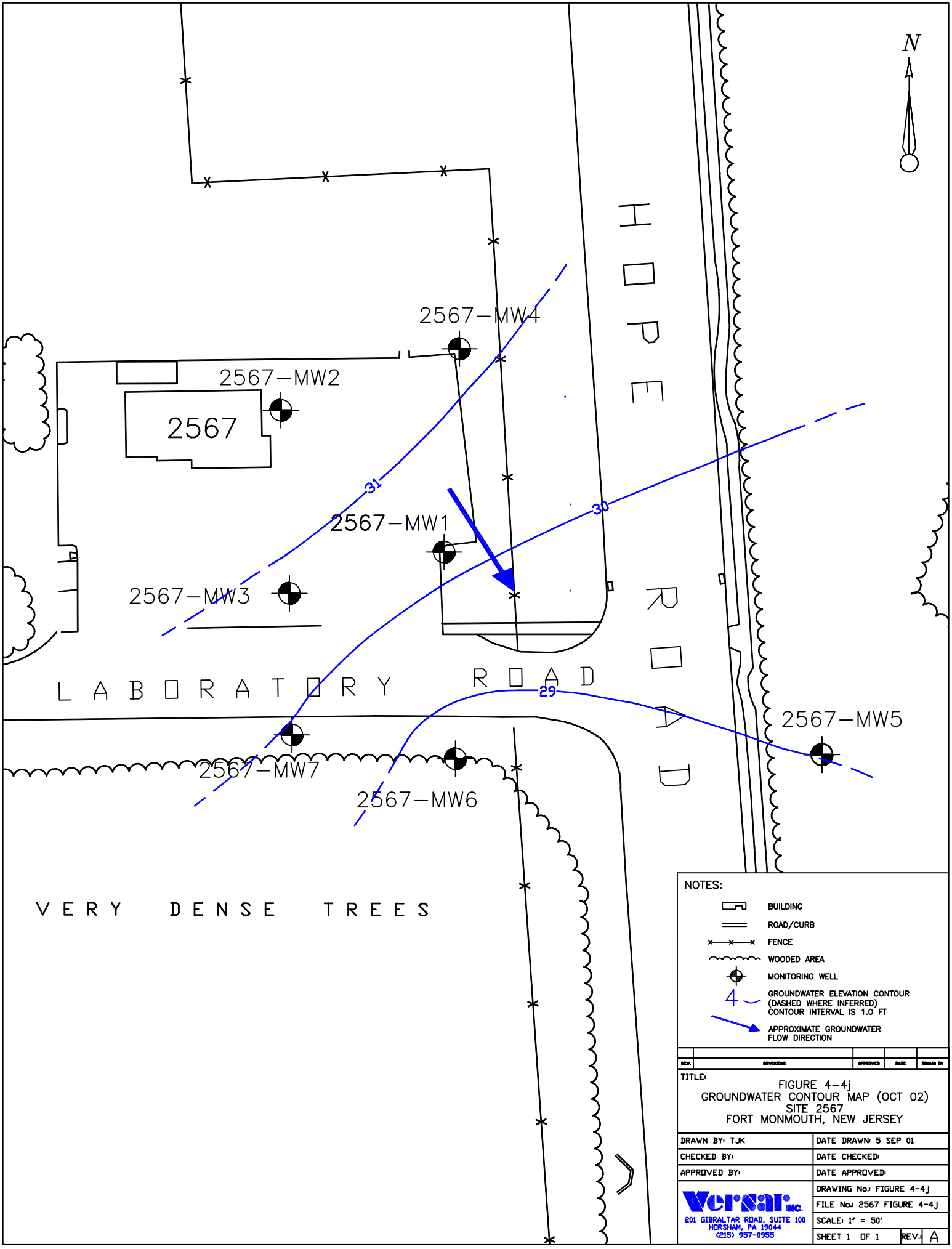
DRAWING No.: FIGURE 4-4I
FILE No.: 2567 FIGURE 4-4I
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
HOPE ROAD
2567-MW4
2567-MW2
2567
31
2567-MW1
30
2567-MW3
LABORATORY ROAD
29
2567-MW5
2567-MW7
2567-MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4-4j
GROUNDWATER CONTOUR MAP (OCT 02)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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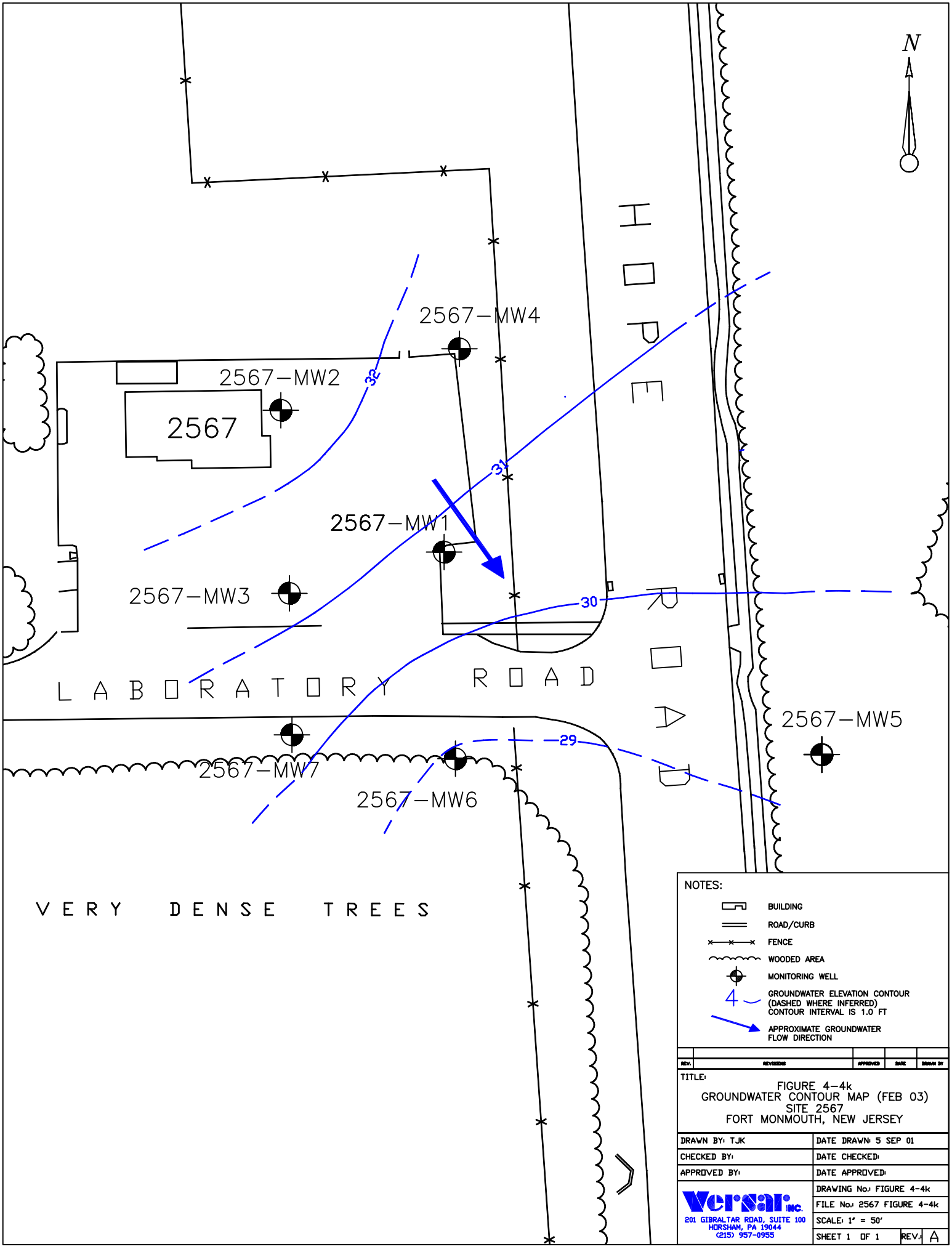
DRAWING No.: FIGURE 4-4J
FILE No.: 2567 FIGURE 4-4J
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
32
31
2567–MW1
2567–MW3
30
HOPE ROAD
LABORATORY ROAD
2567–MW5
29
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4k
GROUNDWATER CONTOUR MAP (FEB 03)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
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DATE APPROVED:
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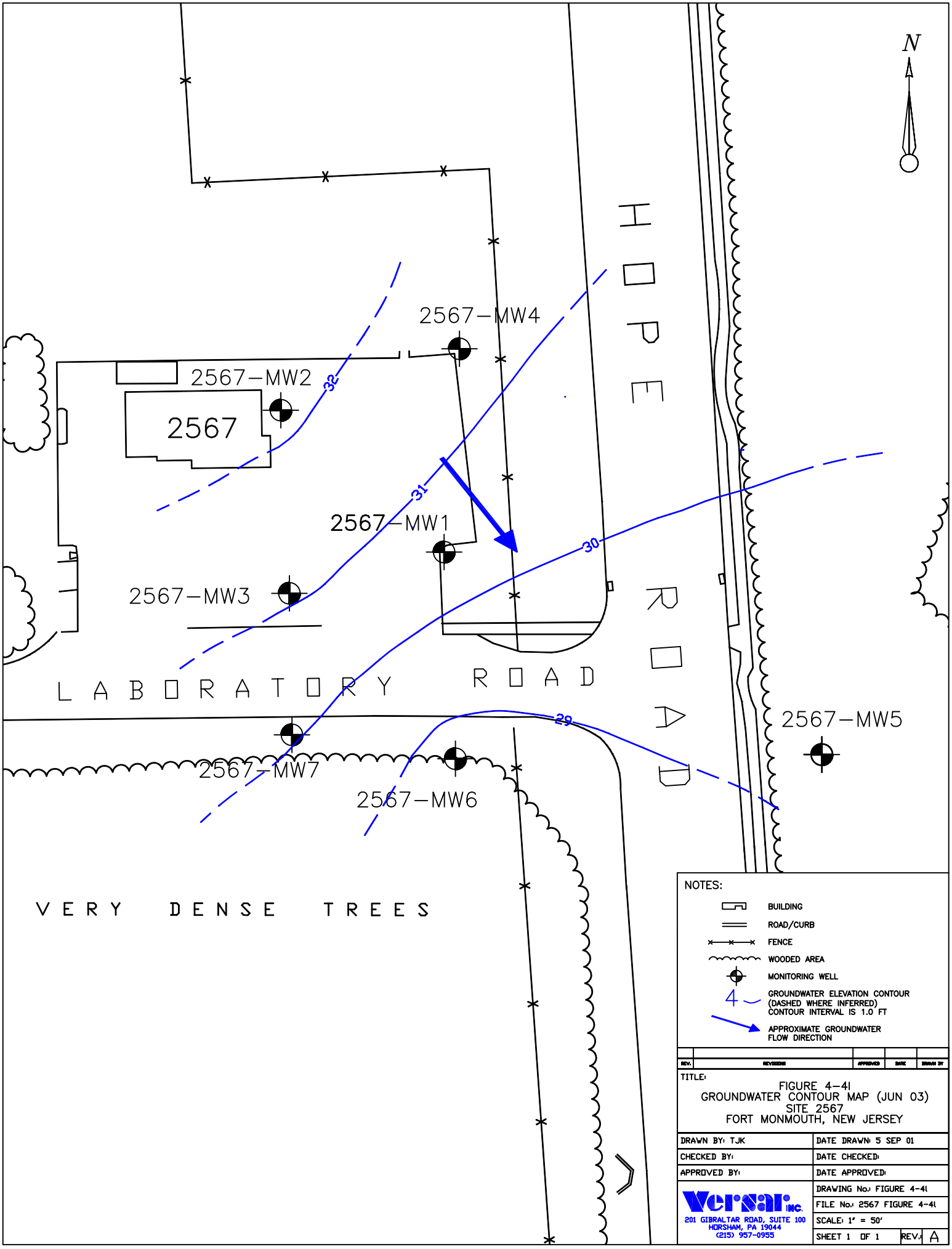
DRAWING No.: FIGURE 4-4k
FILE No.: 2567 FIGURE 4-4k
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
32
31
2567–MW1
30
2567–MW3
HOPE ROAD
LABORATORY ROAD
2567–MW5
29
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4-4I
GROUNDWATER CONTOUR MAP (JUN 03)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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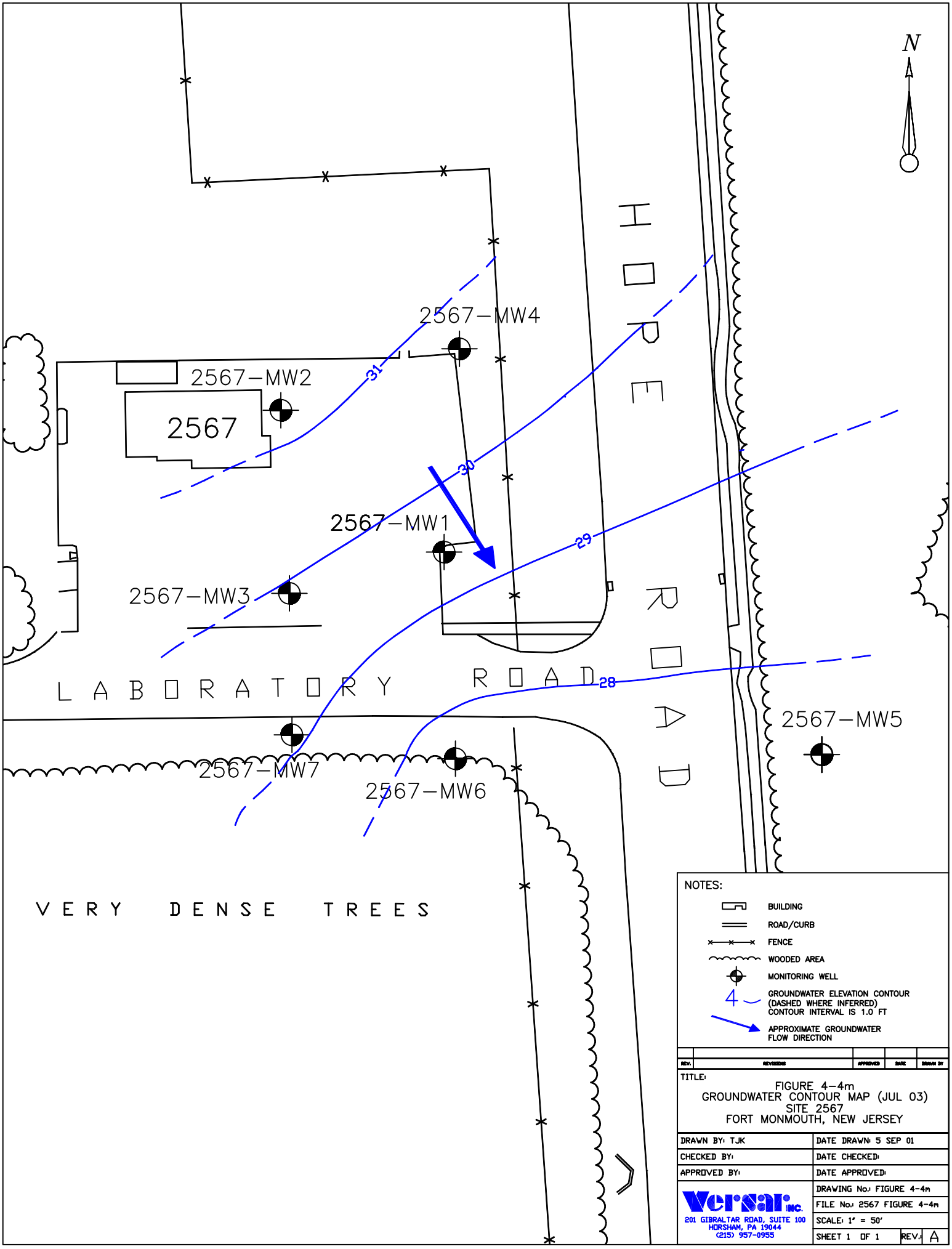
DRAWING No.: FIGURE 4-4I
FILE No.: 2567 FIGURE 4-4I
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
31
30
2567–MW1
29
2567–MW3
28
2567–MW5
2567–MW7
2567–MW6
HOLMES ROAD
LABORATORY ROAD
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4m
GROUNDWATER CONTOUR MAP (JUL 03)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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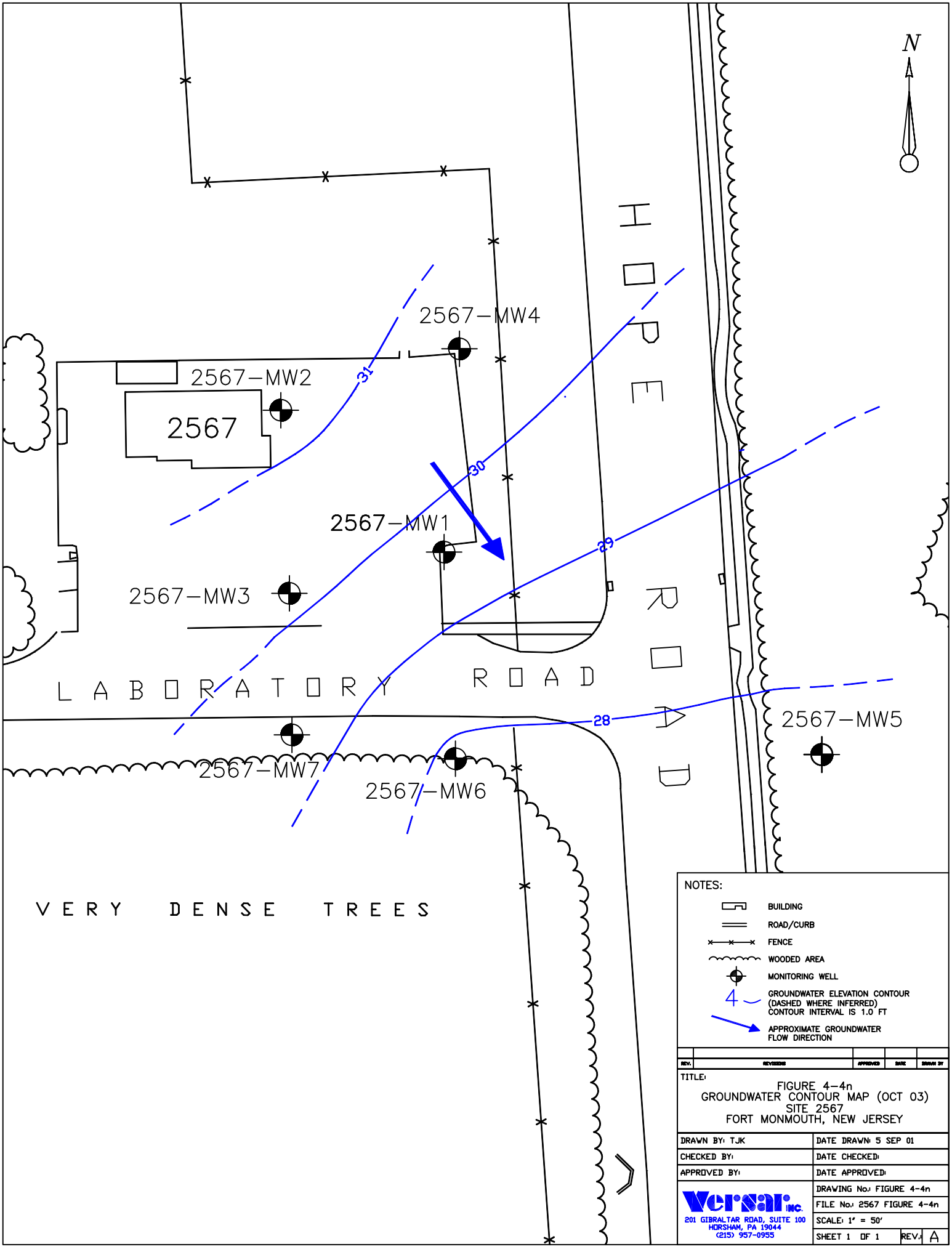
DRAWING No.: FIGURE 4-4m
FILE No.: 2567 FIGURE 4-4m
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
31
30
2567–MW1
29
2567–MW3
HOPE ROAD
LABORATORY ROAD
28
2567–MW5
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4n
GROUNDWATER CONTOUR MAP (OCT 03)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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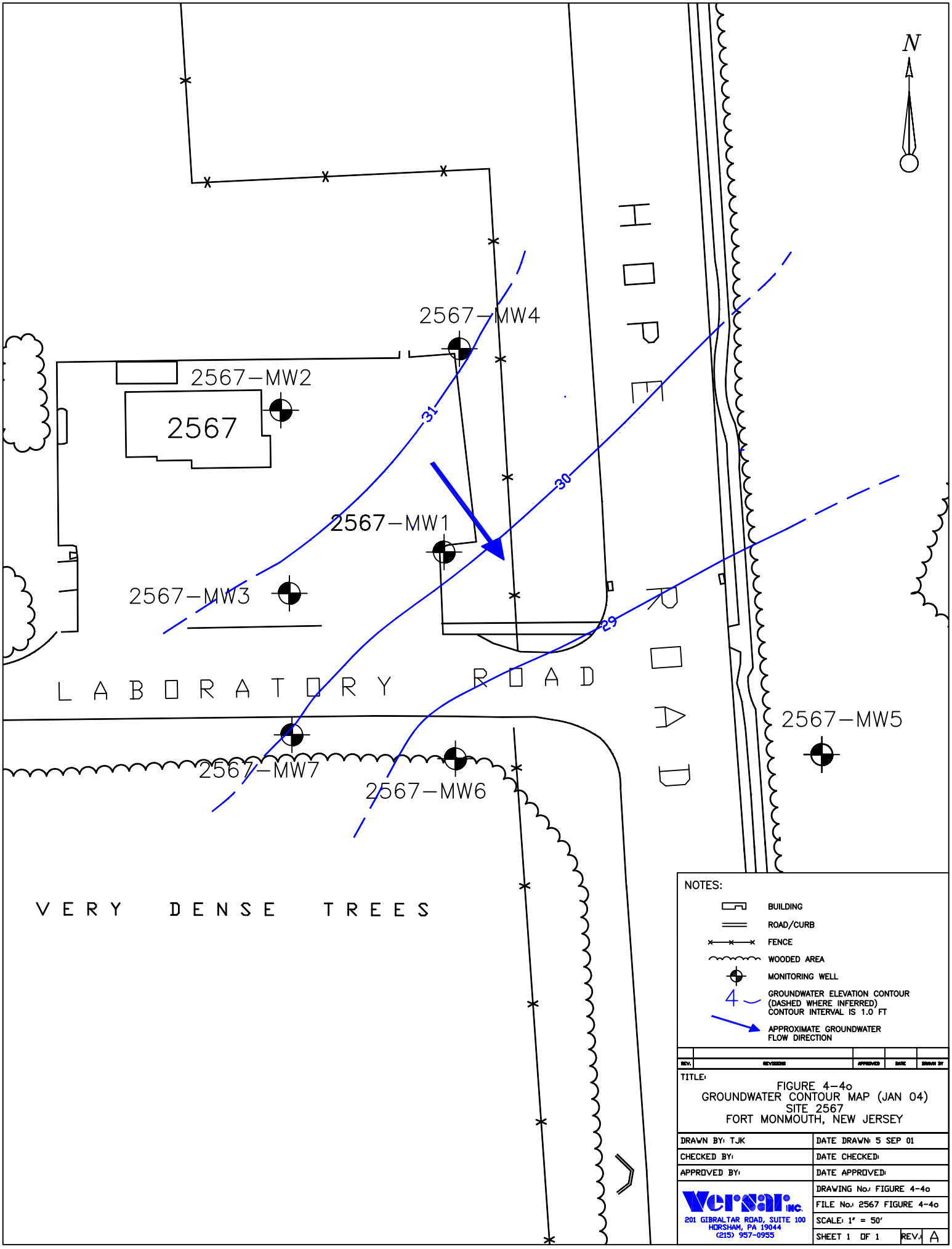
DRAWING No.: FIGURE 4-4n
FILE No.: 2567 FIGURE 4-4n
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A


N
2567–MW4
2567–MW2
2567
31
30
29
2567–MW1
2567–MW3
HOPE ROAD
LABORATORY ROAD
2567–MW5
2567–MW7
2567–MW6
VERY DENSE TREES
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
4
GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL IS 1.0 FT
APPROXIMATE GROUNDWATER FLOW DIRECTION
REV.
REVISIONS
APPROVED
DATE
DRAWN BY
TITLE:
FIGURE 4–4o
GROUNDWATER CONTOUR MAP (JAN 04)
SITE 2567
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
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DRAWING No.: FIGURE 4-4o
FILE No.: 2567 FIGURE 4-4o
SCALE: 1" = 50'
SHEET 1 OF 1
REV.: A

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/11/97	8/28/97	12/2/97	3/4/98	6/1/98	9/24/98	12/16/98	2/24/99	5/29/99	7/21/99	10/21/99	2/14/00	5/15/00	8/22/00	11/1/00	2/9/01
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04				
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/11/97	8/28/97	12/2/97	3/4/98	6/1/98	9/25/98	12/16/98	2/24/99	5/29/99	7/21/99	10/21/99	2/14/00	5/15/00	8/22/00	11/1/00	2/9/01
TBA	100*	ND	268	ND	ND	27.52	ND	19.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
		5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04				
TBA	100*	ND	67.42	ND	31.59	ND	ND	ND	ND	ND	ND	13.51	ND				

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	8/22/00	11/1/00	2/9/01	5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/11/97	8/28/97	12/2/97	3/4/98	6/1/98	9/24/98	12/16/98	2/24/99	5/29/99	7/21/99	10/21/99	2/14/00	5/15/00	8/22/00	11/1/00	2/9/01
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04				
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	2/2/04
TBA	100*	ND

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/11/97	8/28/97	12/2/97	3/4/98	6/1/98	9/24/98	12/16/98	2/24/99	5/29/99	7/21/99	10/21/99	2/14/00	5/15/00	8/22/00	11/1/00	2/9/01
TBA	100*	ND	1,250	1,220	1,240	1,040	1,210	1,220	1,240	1,220	1,220	1,220	1,220	153.28	133.42	ND	1,389.05
		5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04				
TBA	100*	786.01	776.21	ND	826.28	826.28	814.78	826.28	826.28	826.28	826.28	826.28	826.28				

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	2/2/04
TBA	100*	ND

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	2/2/04
TBA	100*	46

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/30/04
TBA	100*	ND

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/30/04
TBA	100*	ND

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	4/30/04
TBA	100*	ND

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	8/22/00	11/1/00	2/9/01	3/4/98	6/1/98	9/25/98	12/16/98	2/24/99	6/8/99	7/21/99	10/21/99	2/14/00	5/15/00	8/22/00	11/1/00	2/9/01
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04				
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				

CONTAMINANT OF CONCERN	NJDEP CRITERIA (ug/L)	8/22/00	11/1/00	2/9/01	5/8/01	8/15/01	11/9/01	2/26/02	5/28/02	8/20/02	10/28/02	2/26/03	6/11/03	7/22/03	10/7/03	1/16/04
TBA	100*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

2567-MW4

2567-MW2

2567

GW1 2567

2567-MW1

2567-MW3

GW2 2567

GW3 2567

W2 2567

W3 2567

W1 2567

MH

2567-MW7

2567-MW6

W4 2567

2567-MW5

DISPENSER ISLAND

N

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

NOTES:

1.) ALL CONCENTRATIONS ARE GIVEN IN MICROGRAMS PER LITER (ug/L), EQUIVALENT TO PARTS PER BILLION (PPB).
2.) NJDEP CLEANUP CRITERIA: HIGHER OF PRACTICAL QUANTITION LIMITS (PQLs) AND GROUNDWATER QUALITY STANDARDS (GWQS) PER N.J.A.C. 7:9-6.
3.) EXCEEDANCES OF THE NJDEP CLEANUP CRITERIA ARE HIGHLIGHTED AND PRINTED IN BOLD-FACED TYPE.
4.) ND: ANALYTE NOT DETECTED IN SAMPLE.
5.) * = INTERIM GROUNDWATER CRITERIA
6.) TBA = TERT BUTYL ALCOHOL

= MONITORING WELL

= GEOPROBE LOCATION

REV.	REVISIONS	APPROVED	DATE	DRAWN BY

TITLE:

FIGURE 5-1
GROUNDWATER SAMPLING RESULTS FOR TBA
SITE 2567
FORT MONMOUTH, NEW JERSEY

DRAWN BY: JMM	DATE DRAWN: 25 AUG 01
CHECKED BY: TJK	DATE CHECKED: 27 AUG 01
APPROVED BY:	DATE APPROVED:
	DRAWING No.: 2567 FIG 5-1
	FILE No.: 2567 FIG 5-1
	SCALE: 1" = 20'
	SHEET OF REV.:

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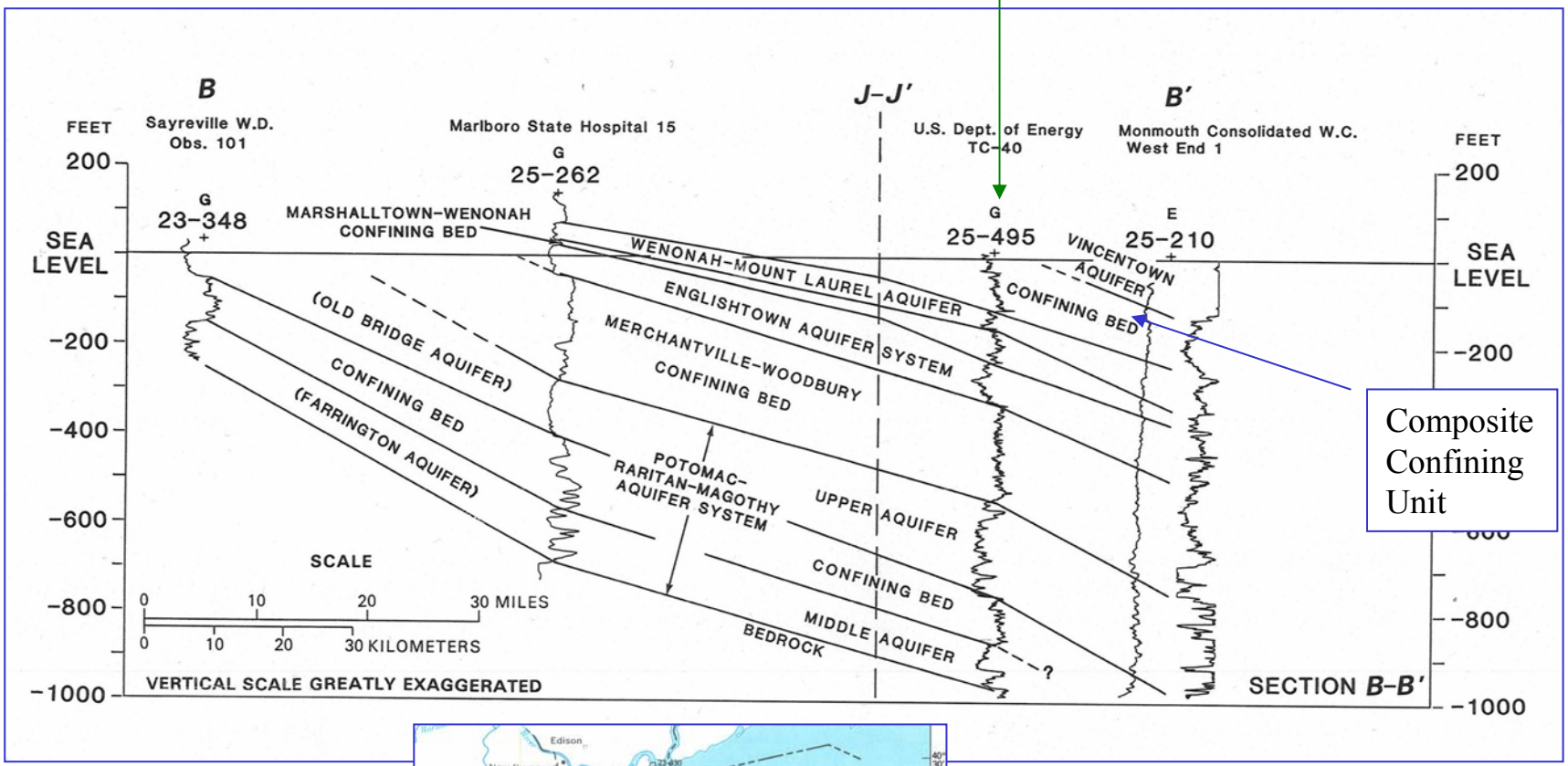
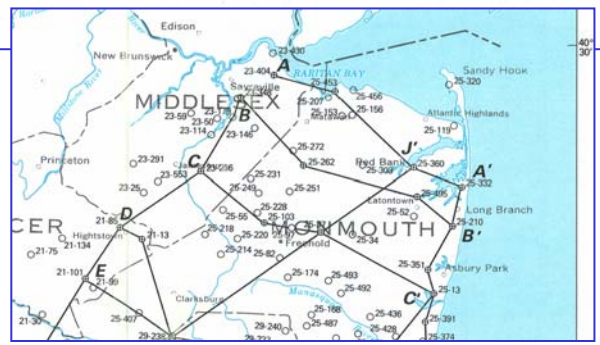
Fort Monmouth – Charles Wood Area



Composite Confining Unit



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

FIGURE 6-1

Geologic Cross-Section B-B'
Site-2567
Fort Monmouth, New Jersey

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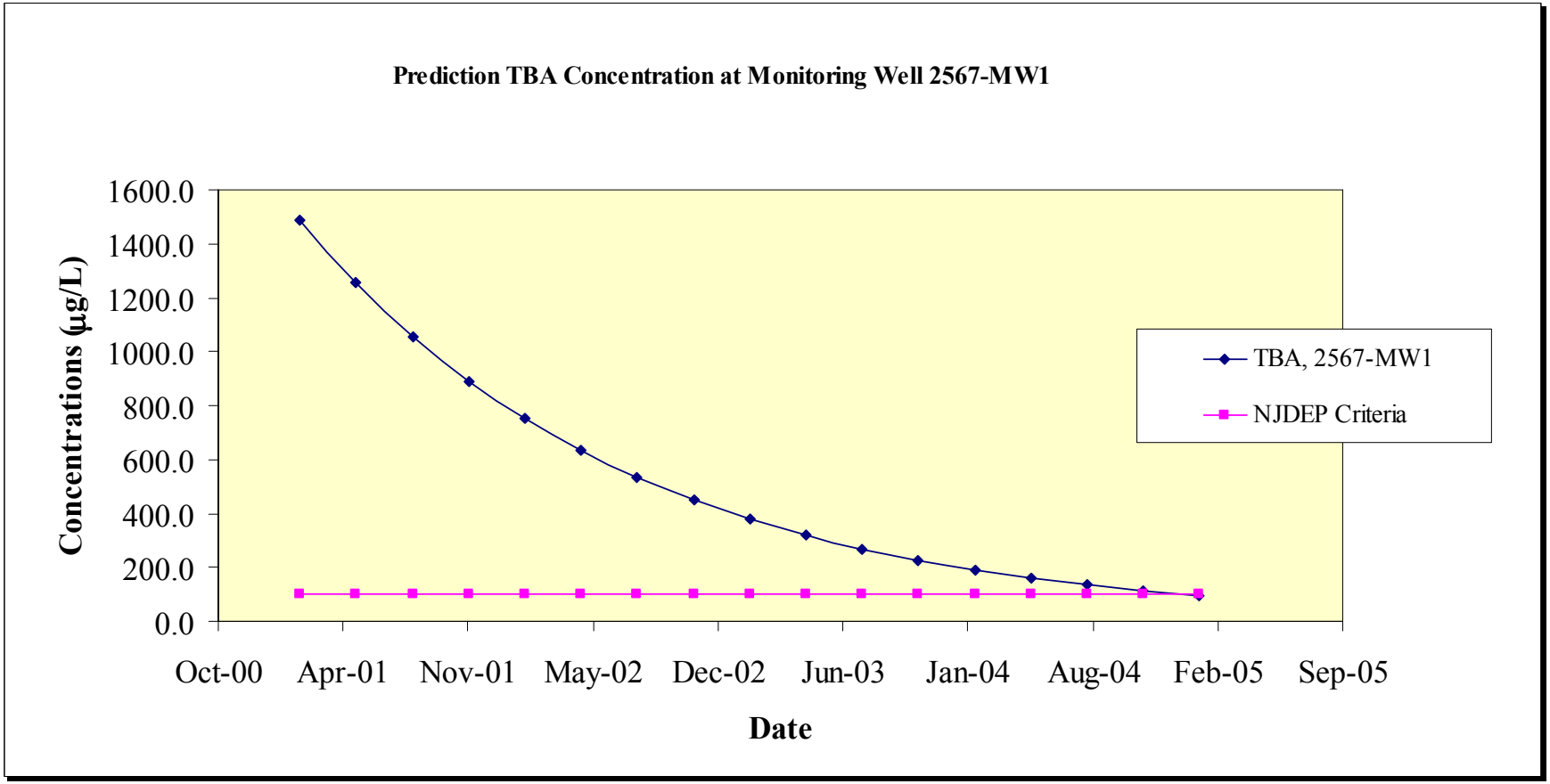
Bristol, PA 19007
(215) 788-7844

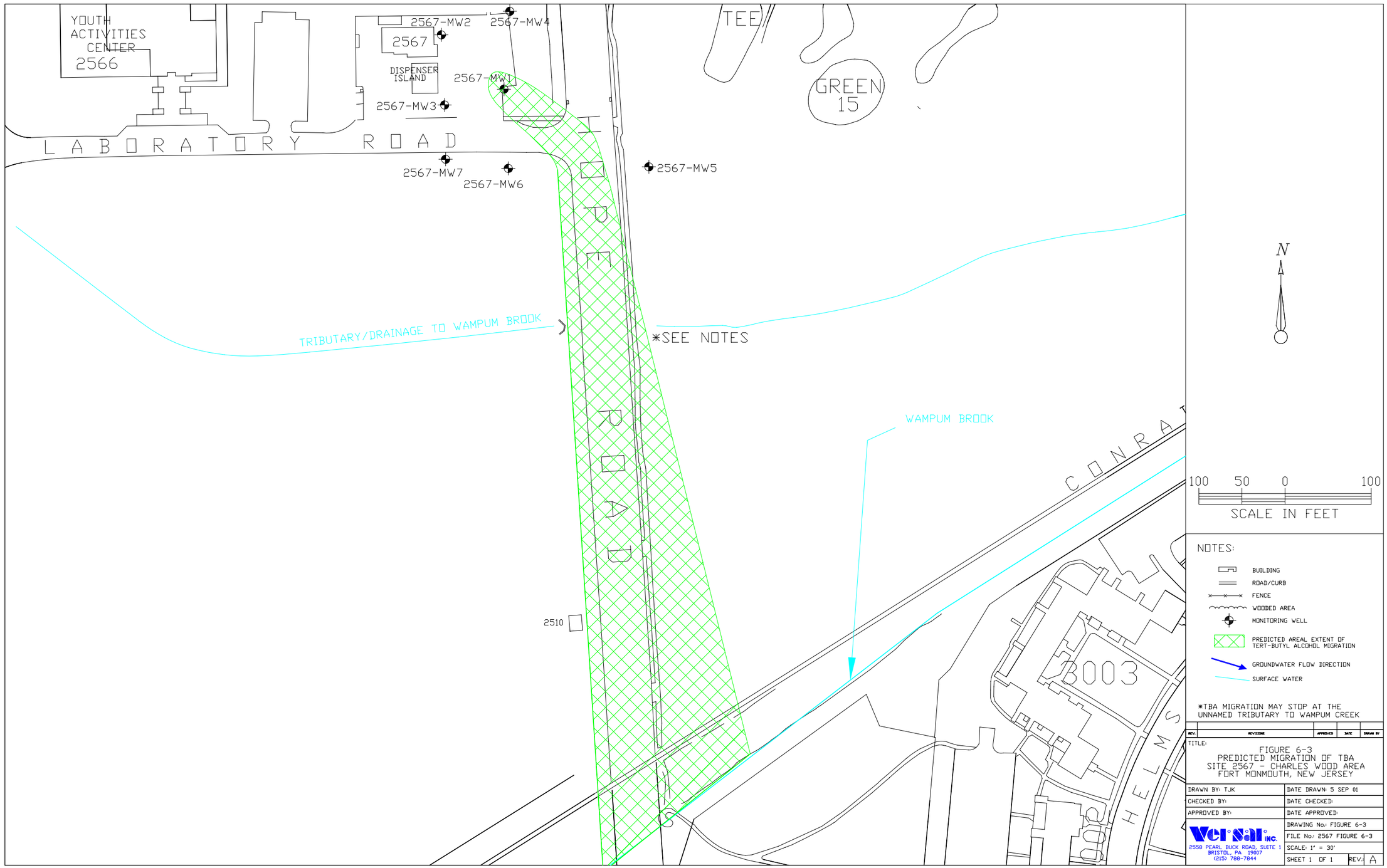


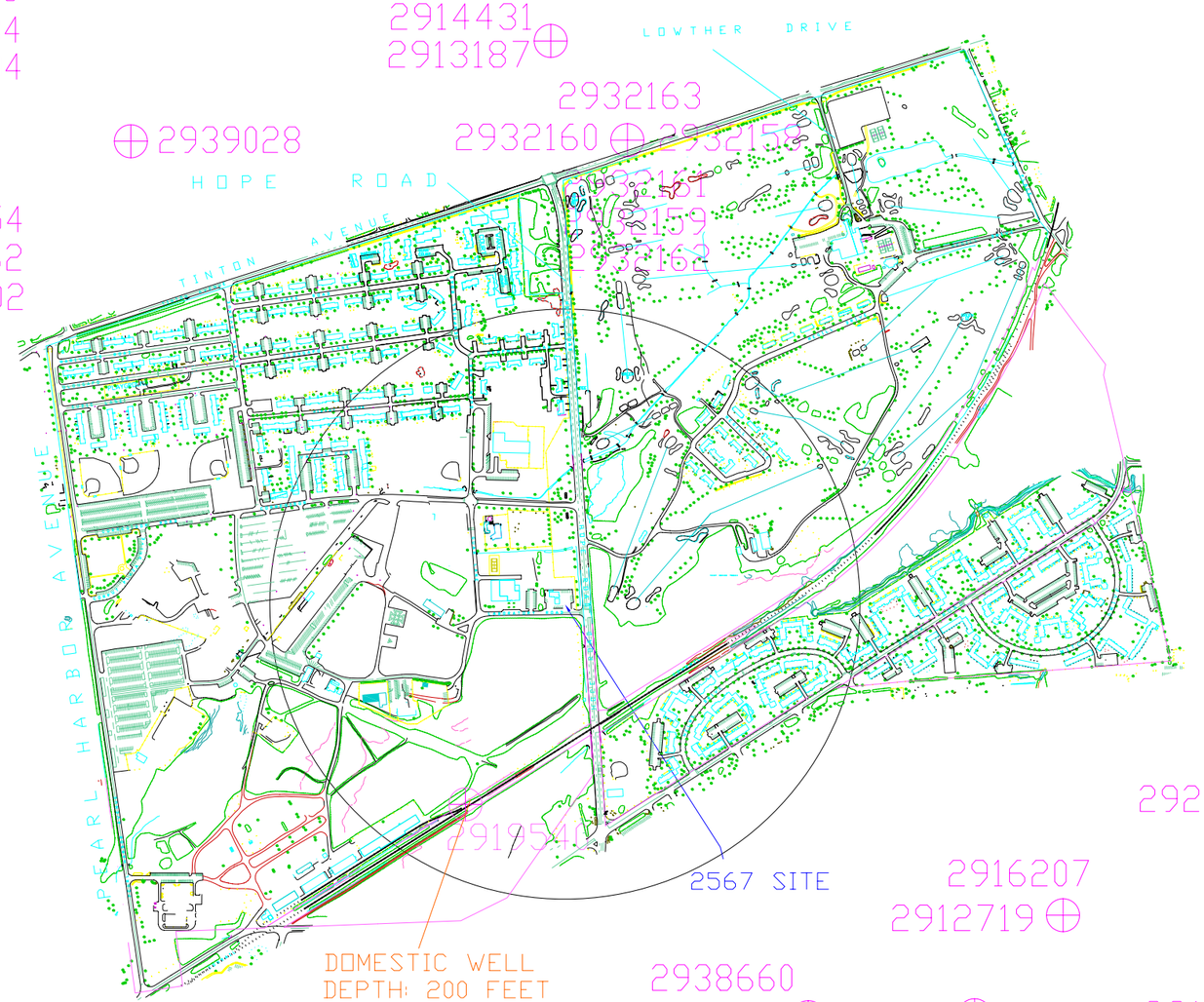
Notes:
1) Concentration is shown in micrograms per liter (ug/L), equivalent to parts per billion
2) Initial TBA concentration at well 2567-MW1 was considered to be 1488.05 ug/L on February 9, 2001.
3) Estimated time for NJDEP compliance is 3.9 years.

FIGURE 6-2

Predicted TBA Concentration
at Well 2567-MW1
Site 2567
Fort Monmouth, New Jersey

Versar INC.
2558 Pearl Buck Road, Suite 1
Bristol, PA 19007
(215) 788-7844


YOUTH ACTIVITIES CENTER
2566
2567-MW2
2567-MW4
2567
DISPENSER ISLAND
2567-MW1
2567-MW3
LABORATORY ROAD
2567-MW7
2567-MW6
2567-MW5
TEE
GREEN 15
TRIBUTARY/DRAINAGE TO WAMPUM BROOK
*SEE NOTES
WAMPUM BROOK
2510
3003
CONRAD
HELMS
N
100 50 0 100
SCALE IN FEET
NOTES:
BUILDING
ROAD/CURB
FENCE
WOODED AREA
MONITORING WELL
PREDICTED AREAL EXTENT OF TERT-BUTYL ALCOHOL MIGRATION
GROUNDWATER FLOW DIRECTION
SURFACE WATER
*TBA MIGRATION MAY STOP AT THE UNNAMED TRIBUTARY TO WAMPUM CREEK
REV. REVISIONS APPROVED DATE DRAWN BY
TITLE:
FIGURE 6-3
PREDICTED MIGRATION OF TBA
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY
DRAWN BY: TJK
DATE DRAWN: 5 SEP 01
CHECKED BY:
DATE CHECKED:
APPROVED BY:
DATE APPROVED:
DRAWING No.: FIGURE 6-3
FILE No.: 2567 FIGURE 6-3
SCALE: 1" = 30'
SHEET 1 OF 1
REV.: A
Wehran INC.
2558 PEARL BUCK ROAD, SUITE 1
BRISTOL, PA 19007
(215) 788-7844



2907536
2936179
2936653
2936284
2936204
2936658
2936178
2911733
2936654
2935462
2936202
2901154
2900151
2905076
2903863
2903374
2901121
2908442
2914431
2913187
2939028
2932163
2932160
2921634
2916207
2912719
2938660
2936969
2936968
2935236
2912070
2920979

1000 500 0 1000
SCALE IN FEET

NOTES:

DOMESTIC/IRRIGATION WELL WITH PERMIT NUMBER (LOCATION WITHIN 100 FOOT ACCURACY)

CIRCLE PORTRAYS 1800-FOOT DISTANCE FROM SITE. THE WELL SEARCH IDENTIFIED ONE DOMESTIC WELL WITHIN 1800 FEET OF THE 2567 SITE.

TITLE:
FIGURE 6-4
DOMESTIC AND IRRIGATION WELLS
SITE 2567 - CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

DRAWN BY: TJK/PS	DATE DRAWN: 31 AUGUST 01
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:
	DRAWING No.: FIG. 6-4
	FILE No.: 2567 FIG. 6-4
	SCALE: 1" = 1000'
	SHEET OF REV.: A

Versar INC.
2558 PEARL BUCK ROAD SUITE 1
BRISTOL, PA 19007
(215) 788-7844

Appendix B

Tecom-Vennell Services, Inc., May 2009, *Underground Storage Tank Closure and Remedial Investigation Report, Charles Wood Section – Bldg. 2567, Fort Monmouth, New Jersey*

(This report is supplied on disc only.)

U.S. Army Garrison
Fort Monmouth, New Jersey

Underground Storage Tank Report

Charles Wood Section –Bldg.2567

NJDEP UST Registration No. 0081515-66, 67, 68
DICAR #: 91-08-27-1414

May 2009

UNDERGROUND STORAGE TANK CLOSURE AND REMEDIAL INVESTIGATION REPORT

CHARLES WOOD SECTION – BLDG. 2567
NJDEP UST REGISTRATION NO. 0081515-66, 67, 68
DICAR #: 91-08-27-1414

DECEMBER 2008

PROJECT NO.: TMS N08-6507

PREPARED FOR:

U.S. ARMY GARRISON, FORT MONMOUTH, NJ
DIRECTORATE OF PUBLIC WORKS
BUILDING 173
FORT MONMOUTH, NJ 07703

PREPARED BY:

TECOM-VINNELL SERVICES, INC.
P.O. BOX 60
FT. MONMOUTH, NJ 07703

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EXECUTIVE SUMMARY

UST Closure

On October 10, 15 and 16, 2008, three underground storage tanks (UST) were closed by removal in accordance with the Directorate of Public Works (DPW) UST Management Plan for the U.S. Army Garrison, Fort Monmouth, New Jersey. The USTs was located near Building 2567 in the Charles Wood area of Fort Monmouth. UST Nos. 0081515-66, 67 and 68 all were 10,000 gallon double-walled fiberglass tanks containing gasoline.

Site Assessment

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) and the NJDEP *Field Sampling Procedures Manual*. Soils surrounding the tanks were screened visually and with air monitoring instruments for evidence of contamination. Following removal, the USTs were inspected for holes. No holes or impacted soils were observed after the removal of the tanks from the ground. Groundwater was encountered at approximately five (5) feet bgs.

All sampling was performed by a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP Field Sampling Procedures Manual (August 2005, updated 15 February 2008). Sampling frequency and parameters analyzed complied with the NJDEP document Technical Requirements for Site Remediation, 7:26E-3.9 (December 17, 2007 and revisions dated June 2, 2008) which was the applicable regulation at the date of the closure.

Findings

The post-excavation soil samples collected from the UST excavation associated with the former UST No. 00815151-66, 67 and 68 contained Volatile Organic Compound (VOC) concentrations below the NJDEP soil clean up criteria for the regulated compounds associated with gasoline. The analytical data confirmed that no release had occurred from any of the three excavated USTs.

Site Restoration

Following receipt of all post-excavation soil sampling results, the excavation was backfilled to grade with a combination of uncontaminated excavated soil and crushed stone. The excavation site was then restored to its original condition with four inches of asphalt.

Conclusions and Recommendations

Based on the post-excavation soil sampling results, there are no compounds that exceed the NJDEP Residential Direct Contact Soil Cleanup Criteria.

No further action is proposed in regard to the closure and site assessment of USTs No. 0081515-66, 67, and 68 at Building 2567.

1.0 UNDERGROUND STORAGE TANK DECOMMISSIONING ACTIVITIES

1.1 OVERVIEW

Three underground storage tanks (USTs), New Jersey Department of Environmental Protection (NJDEP) Registration No. 0081515-66, 67 and 68 respectively, were closed in the area of Bldg. 2567 located at the Charles Wood West facility at U.S. Army Garrison, Fort Monmouth, New Jersey on October 10, 15 and 16, 2008. Refer to site location map on Figure 1. This report presents the results of the implementation of the DPW's UST Management Plan, March, 1996. UST Nos. 0081515-66 to 68 were all 10,000 gallon double walled fiberglass tanks containing gasoline.

Decommissioning activities for the USTs complied with all applicable federal, state and local laws and ordinances in effect at the date of decommissioning. These laws included but were not limited to: N.J.A.C. 7:14B-1 et seq., N.J.A.C. 5:23-1 et seq., and Occupational Safety and Health Administration (OSHA) 1910.146 & 1910.120. The closure and subsurface evaluation of the UST was conducted by a NJDEP licensed US ARMY employee.

This UST Closure and Remedial Investigation Report has been prepared by TVS to assist the US Army Garrison DPW in complying with the NJDEP - Underground Storage Tanks regulations. The applicable NJDEP regulations at the date of closure were the *Closure of Underground Storage Tank Systems* (N.J.A.C. 7:14B-9 et seq. December, 1987 and revisions dated April 20, 2003).

This report was prepared using information required by the *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E) (*Technical Requirements*). Section 1 of this UST Closure and Remedial Investigation Report provides a summary of the UST decommissioning activities. Section 2 of this report describes the site investigation activities. Conclusions and recommendations, including the results of the soil sampling investigation, are presented in Section 3 of this report.

1.2 SITE DESCRIPTION

Building 2567 is located in the Charles Wood area of Fort Monmouth, as shown on Figure 1. The USTs were located to the west of Building 2567. The fill lines and associated dispensing piping were removed during the course of the tank removals. A site map is provided on Figure 2.

1.2.1 Geological/Hydrogeological Setting

The following is a description of the geological/hydrogeological setting of the Bldg. 2567. 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 Charles Wood area.

Fort Monmouth lies within the Outer Coastal Plain subprovince of the New Jersey section of the Atlantic Coastal Plain physiographic province, which generally consists of a seaward-dipping wedge of unconsolidated sediments including interbedded clay, silt, sand, and gravel. To the northwest is the boundary between the Outer and Inner Coastal Plains, marked by a line of hills extending southwest, from the Atlantic Highlands overlooking Sandy Hook Bay, to a point southeast of Freehold, New Jersey, and then across the state to the Delaware Bay. These formations of clay, silt, sand, and gravel formations were deposited on Precambrian and lower Paleozoic rocks and typically strike northeast-southwest, with a dip that ranges from 10 – 60 feet per mile. Coastal Plain sediments date from the Cretaceous through the Quaternary Periods and are predominantly derived from deltaic, shallow marine, and continental shelf environments.

The Property is located within the outer fringe of the Atlantic Coastal Plain Physiographic Province, of New Jersey, approximately 20 miles south of Raritan Bay. This province is characterized by a wedge-shaped mass of unconsolidated to semi-consolidated marine, marginal marine and non-marine deposits of clay, silt, sand, and gravel. These sediments range in age from Cretaceous to Holocene and lie unconformably on pre-Cretaceous bedrock consisting of metamorphic schists and gneiss, with local occurrences of basalts, sandstone and shale (Zapecza, 1984). These sediments trend northeast-southwest and dip southeast toward the Atlantic Ocean. These sediments thicken southeastward from the Piedmont-Coastal Plain Province boundary to approximately 4,500 feet near Atlantic City, New Jersey. During the Cretaceous and Tertiary time period, sediments were deposited alternately in flood plains and in marine environments during sea transgression and sea regression periods. The formations record several major transgressive/regressive cycles and contain units that are generally thicker to the southeast and reflect a deeper water environment.

Over 20 regional geologic units are present within the sediments of the Coastal Plain. Regressive, upward coarsening deposits are usually aquifers (e.g., Englishtown and Kirkwood Formations, and the Cohansey Sand) while the transgressive deposits act as confining units (e.g., the Merchantville, Marshalltown, and Navesink Formations).

Regressive upward coarsening deposits, such as Englishtown and Kirkwood Formations and the Cohansey Sand are usually aquifers, while transgressive deposits, such as the Merchantville, Marshalltown, and Navesink Formations, act as confining units. The thicknesses of these units vary greatly, ranging from several feet to several hundred feet, and thicken to the southeast.

The eastern half of the Main Post is underlain by the Red Bank Formation, ranging in thickness from 20-30 feet, while the western half is underlain by the Homerstown Formation, ranging in thickness from 20-30 feet. The predominant formation underlying the Charles Wood Area is also the Homerstown, with small areas of Vincentown Formation intruding in the southwest corner. Sand and gravel deposited in recent geologic times lie above these formations. Interbedded sequences of clay serve as semi-confining units for groundwater. The mineralogy ranges from quartz to glauconite.

Udorthents-Urban land is the primary classification of soils on Fort Monmouth, which have been modified by excavating or filling. Soils at the Main Post include Freehold sandy loam, Downer sandy loam, and Kresson loam. Freehold and Downer are somewhat well drained, while Kresson is a poorly drained soil. The Charles Wood Area has sandy loams of the Freehold, Shrewsbury, and Holmdel types. Shrewsbury is a hydric soil; Kresson and Holmdel are hydric due to inclusions of Shrewsbury. Downer is not generally hydric, but can be (Ref. 025, Ref. 068).

Local Geology

Fort Monmouth lies in the Atlantic and Eastern Gulf Coastal Plain groundwater region and is underlain by underformed, unconsolidated to semi-consolidated sedimentary deposits. The chemistry of the water near the surface is variable with generally low dissolved solids and high iron concentrations. In areas underlain by glauconitic sediments, the water chemistry is dominated by calcium, magnesium, and iron (*e.g.* Red Bank and Tinton sands). The sediments in the vicinity of Fort Monmouth were deposited in fluvial-deltaic to nearshore environments. The water table is generally shallow at the Installation, and in certain areas fluctuates with the tidal action in Parkers and Oceanport creeks at the Main Post.

Based on the regional geologic map (Jablonski, 1968), the Cretaceous age Red Bank and Tinton Sands outcrop at the Main Post area. The Red Bank sand conformably overlies the Navesink Formation and dips to the southeast at 35 feet per mile.

The upper member (Shrewsbury) of the Red Bank sand is a yellowish-gray to reddish brown clayey, medium- to coarse-grained sand that contains abundant rock fragments, minor mica and glauconite (Jablonski). The lower member (Sandy Hook) is a dark gray to black, medium-to-fine grained sand with abundant clay, mica, and glauconite.

The Tinton sand conformably overlies the Red Bank Sand and ranges from a clayey medium to very coarse-grained feldspathic quartz and glauconite sand to a glauconitic coarse sand. The color varies from dark yellowish orange or light brown to moderate brown and from light olive to grayish olive.

Glauconite may constitute 60 to 80 percent of the sand fraction in the upper part of the unit (Minard, 1969). The upper part of the Tinton is often highly oxidized and iron oxide encrusted (Minard).

Hydrogeology

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. The Hornerstown Formation acts as an upper boundary of the Red Bank aquifer, but it might yield enough water within its outcrop to supply individual household needs. The Red Bank outcrops along the northern edges of the Installation, and contains two members, an upper sand member and a lower clayey sand member. The upper sand member functions as the aquifer and is probably present on some of the surface of the Main Post and at a shallow depth below the Charles Wood Area. The Hornerstown and Red Bank formations overlay the larger Wenonah-Mount Laurel aquifer.

Based on records of wells drilled in the Main Post area, water is typically encountered at depths ranging from 2 to 9 feet below ground surface (bgs). According to Jablonski, wells drilled in the Red Bank and Tinton Sands may yield 2 to 25 gallons per minute (gpm).

Due to the proximity of various tidal water bodies to Fort Monmouth, some shallow groundwater may be tidally influenced and may flow toward creeks and brooks as the tide goes out, and away from creeks and brooks as the tide comes in.

Groundwater level fluctuations due to tidal influences occur in three general hydrogeologic settings. They are: (1) an unconfined aquifer with a subaqueous outcrop, (2) a confined aquifer with a subaqueous outcrop and (3) a confined aquifer that underlies but does not outcrop in the tidally fluctuating surface water body.

During a tidal cycle, there is generally an exchange of waters between the surface water body and the aquifer. The magnitude and the direction of this exchange depend on whether the surface water body has a net gain or loss during the cycle. Under natural (nonpumping) conditions, the surface water body typically gains more than it loses during the tidal cycle. The penetration of the surface water into the aquifer creates a zone where surface water and ground water mix. The inland extent of this zone depends on the permeability of the aquifer, the net hydraulic gradient prevailing at the seepage face during the losing part of the tidal cycle and the configuration of the shore.

If the shore is a cliff, the mixing zone extends inland as far as it can penetrated during a tidal cycle. If it gently slopes toward the surface water body, the mixing zone is limited to a short distance inland from the high tide line.

Inland from the mixing zone the groundwater level fluctuates in response to a progressive pressure wave created by the cyclically changing groundwater storage in this zone. The volume of unconfined aquifer affected is directly proportional to the short-term changes in storage. The change in storage during a tidal cycle is small compared to the total volume of the aquifer; the aquifer adjusts to this change within a few hundred feet of the seepage face.

The area of Bldg. 2567 is located approximately 500 yards north of Mill Brook (the nearest water body),. Based on the Charles Wood topography, the groundwater flow in the area of Bldg. 2567 is anticipated to be to the southeast. The monitoring wells located in the vicinity of the site are not tidally influenced.

1.3 HEALTH AND SAFETY

Work site health and safety hazards were minimized during all decommissioning activities. All areas that posed a vapor hazard were monitored by a qualified individual utilizing a calibrated photo-ionizer detector: Thermo Instruments Organic Vapor Monitor (OVM) – Model #580-B. The individual ascertained if the area was properly vented to render the area safe, as defined by OSHA. All work areas were properly vented to insure that there were no contaminants present in the breathing zone above permissible exposure limits (PELs).

1.4 REMOVAL OF UNDERGROUND STORAGE TANKS

1.4.1 General Procedures

- All underground utilities were marked out by the respective shops and/or utility contractor prior to excavation activities.

- All activities were carried out with great regard to safety and health and the safeguarding of the environment.

- All excavated soils were visually examined and screened with an OVM for evidence of contamination. No petroleum impacted soils were encountered during the tank excavations. These overburden soils were used to backfill the excavation upon clearance.

- Surface materials (i.e., asphalt, concrete, etc.) were excavated and staged separately from all soil and recycled in accordance with all applicable regulations and laws.

- A certified Subsurface Evaluator was present during all closure activities.

1.4.2 Underground Storage Tank Excavations

During decommissioning activities, surficial soil was removed to expose the USTs. The tanks were completely emptied of all liquids prior to removal from the ground. Approximately 900 gallons of liquid was pumped out of the UST by Lorco Petroleum Services, Inc. into a tank truck and transported to their NJDEP-approved petroleum recycling and disposal facility located in Elizabeth, New Jersey. Refer to Appendix C for non-hazardous waste manifest (No. NJZ-49683).

After the USTs were removed from the excavation, they were staged on polyethylene sheeting, labeled and examined for holes. No holes in the tanks were observed during the inspection by the Subsurface Evaluator. Soils surrounding the USTs were screened visually and with an Organic Vapor Monitor (OVM) for evidence of contamination. No soil staining and an odor of fuel were observed. After the examination, the tanks were transported for storage at the Bldg. 108 pad for subsequent cutting and disposal.

1.5 UNDERGROUND STORAGE TANK DECOMMISSIONING AND DISPOSAL

Subsequent to disposal, the USTs were purged with air to remove vapors prior to cutting. A 4 feet by 3 feet access hole was made in the UST using a pneumatic ripper gun with a non-sparking bit. The UST was cleaned first with rubber squeegees and adsorbent material broomed on the sidewalls and bottom. The adsorbent material was then drummed and subsequently put into Ft. Monmouth's 'Oil Spill Debris' roll-off container for proper disposal. The atmosphere in and around the tank was monitored using an OVM and an Oxygen/Lower Explosive Level (LEL) meter to ensure safe working conditions during cutting and cleaning activities.

The sections of the fiberglass tanks were placed into a 30 cubic yard roll-off container and subsequently shipped off-site as nonhazardous bulk solid waste.

The Subsurface Evaluator labeled the USTs with the following information:

- site of origin
- NJDEP UST Facility ID number
- date of removal
- size of tank
- previous contents of tank

Photographic documentation of the UST is included in Appendix D.

2.0 REMEDIAL INVESTIGATION ACTIVITIES

2.1 OVERVIEW

The Remedial Investigation was managed and carried out by U.S. Army DPW personnel. All associated analyses were performed and reported by Fort Monmouth Environmental Testing Laboratory, a NJDEP-certified testing laboratory. All sampling was performed by a NJDEP Certified Subsurface Evaluator according to the methods described in the NJDEP Field Sampling Procedures Manual (2005, Updated 2/15/08). Sampling frequency and parameters analyzed complied with the NJDEP document *Technical Requirements for Site Remediation, 7:26E-3.9* (December 17, 2007 and revisions dated September 2, 2008) which was the applicable regulation at the date of the closure. All records of the Remedial Investigation activities are maintained by the Fort Monmouth DPW Environmental Office.

The following Parties participated in Closure and Remedial Investigation Activities.

- Ft. Monmouth Directorate of Public Works-Environmental Division
  Contact Person: Joe Fallon
  Phone Number: (732) 532-2692

- Subsurface Evaluator: Frank Accorsi
  Employer: US Army, CECOM
  Phone Number: (732) 532-6254
  NJDEP License No.: 9974

- Analytical Laboratory: Fort Monmouth Environmental Testing Laboratory
  Contact Person: Jackie Hamer
  Phone Number: (732) 532-4359
  NJDEP Laboratory Certification No.: 13461

- Hazardous Waste Hauler: Lorco Petroleum Services, Inc., Elizabeth, NJ
  Contact Person: Dan MacKay
  Phone Number: (908) 820-8800
  US EPA ID No.: NJR000023036

2.2 FIELD SCREENING/MONITORING

Field screening was performed by a NJDEP certified Subsurface Evaluator using an OVM and visual observations to identify potentially contaminated material. No impacted soils were encountered during the tank removal procedures. Clean overburden soils were stockpiled for later reuse as backfill.

2.3 SOIL SAMPLING

On October 10, 15 and 16, 2008, post-excavation soil samples collected from a total of seven (7) locations along the sidewalls and the bottom of the UST excavations. Due to the location of the USTs, the entire excavated area was considered to be one excavation rather than three distinct locations. Groundwater was encountered at approximately five (5) feet bgs. during the tank removal operations. Refer to soil sampling location map in Figure 3. All samples were analyzed for VO+10 parameters in accordance with the requirements of *Technical Requirements for Site Remediation*. In addition to the samples collected for the confirmation of soil quality, samples were also collected for grain size analysis and total organic carbon. These parameters are essential criteria for the development of a site wide groundwater model.

The site assessment was performed by TVS personnel in accordance with the NJDEP *Technical Requirements for Site Remediation* and the NJDEP *Field Sampling Procedures Manual*. A summary of sampling activities including parameters analyzed is provided on Table 1. The post-excavation soil samples were collected using stainless steel trowels. After collection, the samples were immediately placed into reagent grade methanol and then on ice in a cooler. The samples were subsequently delivered to Fort Monmouth Environmental Testing Laboratory for analysis.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 SOIL SAMPLING RESULTS

Post-excavation soil samples were collected from a total of 7 locations on October 10, 15 and 16, 2008, to evaluate soil conditions following removal of the USTs. All samples were analyzed for VOCs. The post-excavation soil sample results were compared to the NJDEP soil cleanup criteria for individual constituents as per the analytical protocol (N.J.A.C. 7:26D and revisions dated February 3, 1994). A summary of the analytical results and comparison to the NJDEP soil cleanup criteria is provided on Table 2. The analytical data package, including associated quality control data, is provided in Appendix E.

All post-excavation soil samples collected, from the UST remedial excavation contained concentrations of VOCs below the NJDEP soil cleanup criteria.

3.2 CONCLUSIONS AND RECOMMENDATIONS

The analytical results for all final post-excavation soil samples collected from the UST closure excavation at UST No. 0081515-66, 67 and 68 were below the NJDEP impact to groundwater soil cleanup criteria for volatile organic compounds (VOCs).

No further action is proposed in regard to the closure and site assessment of UST No. 0081515-66, 67 and 68 at Building 2567, DICAR #: 91-08-27-1414.

APPENDIX A

CERTIFICATIONS

APPENDIX B

WASTE MANIFEST

APPENDIX C

UST DISPOSAL CERTIFICATE

APPENDIX D

PHOTO DOCUMENTATION

APPENDIX E

SOIL ANALYTICAL DATA PACKAGE

TABLE 1

SUMMARY OF LABORATORY ANALYSIS

FT. MONMOUTH, BUILDING 273, UST No.0081515-66, 67, 68
October 10, 15, and 16, 2008

SAMPLE ID	LABORATORY SAMPLE ID	SAMPLE DATE	SAMPLE MATRIX	ANALYTICAL PARAMETER	ANALYTICAL METHOD
2567-1	8036501	14-Oct.-08	SOIL	VOA	SW-846, 8260
2567-2	8036502	14-Oct.-08	SOIL	VOA	SW-846, 8260
2567-3	8037301	17-Oct.-08	SOIL	VOA	SW-846, 8260
2567-4	8037302	17-Oct.-08	SOIL	VOA	SW-846, 8260
2567-5	8037303	17-Oct.-08	SOIL	VOA	SW-846, 8260
2567-6	8037304	17-Oct.-08	SOIL	VOA	SW-846, 8260
2567-7	8037305	17-Oct.-08	SOIL	VOA	SW-846, 8260
TRIP BLANK	8037307	17-Oct.-08	METHANOL	VOA	SW-846, 8260

ABBREVIATIONS:
VOA = Volatile Organic Analysis, EPA SW-846 Method 8260

TABLE 2

SUMMARY OF LABORATORY ANALYTICAL RESULTS

FT. MONMOUTH, BUILDING 1006, UST No. 0081515-66, 67 and 68

October 10, 15 and 16, 2008

VOLATILE ORGANIC COMPOUNDS (in mg/kg)

SAMPLE ID	SAMPLE DATE	Benzene	Toluene	Ethylbenzene	Xylenes (total)
2567-1	14-Oct.-08	ND	ND	ND	ND
2567-2	14-Oct.-08	ND	ND	ND	ND
2567-3	17-Oct.-08	ND	ND	ND	ND
2567-4	17-Oct.-08	ND	ND	ND	ND
2567-5	17-Oct.-08	ND	ND	ND	ND
2567-6	17-Oct.-08	ND	ND	ND	ND
2567-7	17-Oct.-08	ND	ND	ND	ND
NJDEP Criteria (in mg/kg)	Impact to groundwater	0.005	4	8	12

ABBREVIATIONS:
mg/kg = Milligrams Per Kilogram = parts per million
ND = Compound Not Detected
NA = Compound Not Analyzed

Notes:
Gray shading indicates exceedance of NJDEP Impact to groundwater Soil Cleanup Criteria

Appendix C

UST Report Certification Form

UST Report Certification Form

(REVISED 11/06)

A. Facility Name : US Army Garrison Fort Monmouth Charles Wood

Facility Street Address : IMNE-MON-PWE, BLDG. 173, Fort Monmouth NJ, 07703

Municipality: Tinton Falls County : Monmouth

Block: 9 Lot(s): 101 Telephone Number : (732) 532-6223

B. Owner (or Responsible Party)'s Name: Department of the Army, U.S. Army Installation Management Command

Street Address: U.S. Army Garrison Fort Monmouth City : Fort Monmouth

State: New Jersey Zip: 07703 Telephone Number : (732) 532-6223

C. Assigned Case Manager : Mr. Larry Quinn, NJDEP UST Registration Number : 0081515-66, 67, 68

Incident Report Number 91 _ 08 _ 27 _ 1414 _ ___ TMS Number: N08-6507

D. **Certification by the Subsurface Evaluator:**

"I certify under penalty of law that the work was performed under my oversight and I have reviewed the report and all attached documents, and the submitted information is true, accurate and complete in accordance with the requirements of N.J.A.C. 7:14B and N.J.A.C. 7:26E. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information including fines and/or imprisonment."

Name: Charles Appleby Signature: UST Cert. No.: 9974

Firm: U.S. Army, CECOM Firm's UST Cert. Number: NA

Firm Address: U.S. Army Garrison Fort Monmouth City: Fort Monmouth

State: New Jersey Zip: 07703 Telephone Number : (732) 532-2692

E. **Certification by the Responsible Party(ies) of the Facility:**

The following certification shall be signed [according to the requirements of N.J.A.C. 7:14B-1.7(b)]as follows:

1. For a Corporation by a person authorized by a resolution of the board of directors to sign the document. A copy of the resolution, certified as a true copy by the secretary of the corporation, shall be submitted along with the certification; or
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, State, federal or other public agency by either a principal executive officer or ranking elected Official.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. 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."

Name (Print or Type): Ms. Barbara Folk Title: Director, DPW

Signature: Barbara Folk Date: 8 June 10

Notarization is necessary if information is being submitted pursuant to an MOA or ACO.

Sworn to and Subscribed Before Me

On this _____ Date of _____, 20____

_____ Notary

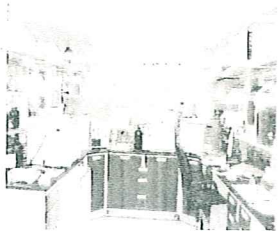
Appendix D

Groundwater Monitoring Well Laboratory Analytical Data
2nd Quarter 2004 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4048104	2567MW01	29-26925	06/22/04
4048104	2567MW02	29-26926	06/22/04
4048104	2567MW03	29-26947	06/22/04
4048104	2567MW04	29-26948	06/22/04
4048104	2567MW05	29-31783	06/22/04
4048104	2567MW06	29-42585	06/22/04
4048104	2567MW07	29-42586	06/22/04

NJDEP Laboratory Certification # 13461

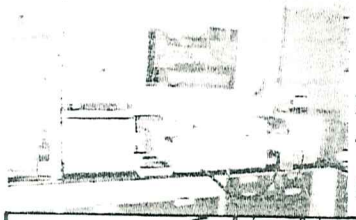
8-2-04

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

SAMPLING



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X216223
( )DERA ( )OMA ( )Other:

Project No:
Location: 2567 Wells
2nd Qrtr '04

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCL / HNO_3 / <4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15	Pb						Hnu Read	Remarks / Preservation Method
40481 01	2567MW01	6/22/04	0851	AQ	3	✓	✓						0.0	29-26925
02	2567MW02		0835			✓	✓						0.0	29-26926
03	2567MW03		0857			✓	✓						0.09	29-26927
04	2567MW04		0845			✓	✓						0.0	29-26928
05	2567MW05		1130			✓	✓						0.0	29-31783
06	2567MW06		1030			✓	✓						0.0	29-42585
07	2567MW07		1041			✓	✓						0.0	29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/22/04 1500	[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
Shows T/FG/D from 80/166 same date.com

print legibly

Page 1 of 1

COC.XLS4/6/2004

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 #: 826223
( )DERA ( )OMA ( )Other:

Project No: 80/166 Wells
Location: 2nd Qrtr'04

Samplers Name / Company: Corey McCormack, TVS

Comments: MCC/HNO3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOH 15	TAL Mtls	Pest/PCB	BNA+25				Hex Cred	Remarks / Preservation Method
40480 01	Trip	6/22/04	0645	AQ	2	✓							—	
02	Field Blank		1215		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	166 mw01		1245		5	✓	✓	✓	✓				0.0	29-31773
05	80mw01 *		1315		5	✓	✓	✓	✓				0.0	29-31774
06	80mw02		1308		5	✓	✓	✓	✓				0.0	29-43199
07	80mw03		1251		5	✓	✓	✓	✓				0.0	29-43201
08	80mw04		1520		5	✓	✓	✓	✓				0.0	29-43200
09	80mw05		1259		5	✓	✓	✓	✓				0.0	29-43202

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/22/04 1500	J. [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: Shear T/FB/D w/2567 same date. CPM
Tide: N/A

print legibly

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.51 ft
DEPTH OF WELL: 13.10 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: 07:35
pH 6.40 su — TEMP 19.27 °C
DISSOLVED O_2 7.93 mg/L — SPECIFIC CONDUCTIVITY 656.0 µs/cm

PURGE END TIME: 08:49
pH 6.90 su — TEMP 18.81 °C
DISSOLVED O_2 1.61 mg/L — SPECIFIC CONDUCTIVITY 709.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.55 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 08:51
pH 6.89 su — TEMP 18.82 °C
DISSOLVED O_2 1.53 mg/L — SPECIFIC CONDUCTIVITY 708.0 µs/cm

SAMPLE END TIME: 08:54

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.12 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.08 ft
(8.08) X .65 X 3 = 15.75
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: 07:25
pH 6.94 su — TEMP 19.65 °C
DISSOLVED O_2 5.93 mg/L — SPECIFIC CONDUCTIVITY 131.0 µs/cm

PURGE END TIME: 08:34
pH 6.82 su — TEMP 19.07 °C
DISSOLVED O_2 6.52 mg/L — SPECIFIC CONDUCTIVITY 1250.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.83 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 08:35
pH 6.83 su — TEMP 19.07 °C
DISSOLVED O_2 4.98 mg/L — SPECIFIC CONDUCTIVITY 125.0 µs/cm

SAMPLE END TIME: 08:34

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.75 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.75 ft
(8.75) X .65 X 3 = 17.06
GALLONS OF H2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.09 ppm

PURGE START TIME: 07:40
pH 6.83 su — TEMP 19.32 °C
DISSOLVED O_2 6.66 mg/L — SPECIFIC CONDUCTIVITY 1185.0 µs/cm

PURGE END TIME: 08:54
pH 6.80 su — TEMP 19.18 °C
DISSOLVED O_2 1.16 mg/L — SPECIFIC CONDUCTIVITY 1224.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.58 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 08:57
pH 6.80 su — TEMP 19.17 °C
DISSOLVED O_2 1.16 mg/L — SPECIFIC CONDUCTIVITY 1224.0 µs/cm

SAMPLE END TIME: 09:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.15 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.51 ft
(8.51) X .65 X 3 = 16.59
GALLONS OF H2O 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: 07:30
pH 6.44 su — TEMP 17.91 °C
DISSOLVED O_2 7.06 mg/L — SPECIFIC CONDUCTIVITY 247.0 µs/cm

PURGE END TIME: 08:44
pH 6.23 su — TEMP 17.03 °C
DISSOLVED O_2 1.52 mg/L — SPECIFIC CONDUCTIVITY 237.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.75 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 08:45
pH 6.22 su — TEMP 17.01 °C
DISSOLVED O_2 1.47 mg/L — SPECIFIC CONDUCTIVITY 237.0 µs/cm

SAMPLE END TIME: 08:48

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.79 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.96 ft
(8.96) X .65 X 3 = 17.47
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: 10:15
pH 6.59 su — TEMP 16.79 °C
DISSOLVED O_2 4.98 mg/L — SPECIFIC CONDUCTIVITY 176.0 µs/cm

PURGE END TIME: 11:29
pH 6.51 su — TEMP 16.61 °C
DISSOLVED O_2 3.71 mg/L — SPECIFIC CONDUCTIVITY 210.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.41 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:30
pH 6.50 su — TEMP 16.52 °C
DISSOLVED O_2 3.68 mg/L — SPECIFIC CONDUCTIVITY 209.0 µs/cm

SAMPLE END TIME: 11:34

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.67 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.07 ft
(8.07) X .65 X 3 = 15.73
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: 09:20
pH 6.71 su — TEMP 17.11 °C
DISSOLVED O_2 6.41 mg/L — SPECIFIC CONDUCTIVITY 631.0 µs/cm

PURGE END TIME: 10:29
pH 6.41 su — TEMP 17.04 °C
DISSOLVED O_2 2.31 mg/L — SPECIFIC CONDUCTIVITY 540.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.60 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:30
pH 6.47 su — TEMP 17.03 °C
DISSOLVED O_2 2.30 mg/L — SPECIFIC CONDUCTIVITY 539.0 µs/cm

SAMPLE END TIME: 10:34

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/22/04
WEATHER: Overcast and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.32 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.18 ft
(9.18) X .65 X 3 = 17.90
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:22
pH 6.51 su TEMP 17.21 °C
DISSOLVED O_2 6.02 mg/L SPECIFIC CONDUCTIVITY 279.0 µs/cm

PURGE END TIME: 10:40
pH 6.43 su TEMP 17.03 °C
DISSOLVED O_2 3.01 mg/L SPECIFIC CONDUCTIVITY 321.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.13 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:41
pH 6.42 su TEMP 17.04 °C
DISSOLVED O_2 2.87 mg/L SPECIFIC CONDUCTIVITY 324.0 µs/cm

SAMPLE END TIME: 10:44

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	**VB016849.D**	Sample Name	**MB 23Jun04**
Operator	**Skelton**	Field ID	**MB 23Jun04**
Date Acquired	**23 Jun 2004 8:14 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 23Jun04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 23Jun04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016849.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. _____ Date Analyzed: 6/23/2004

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	VB016853.D	Sample Name	4048001
Operator	Skelton	Field ID	Trip Blank
Date Acquired	23 Jun 2004 10:43 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40480 Location: 80/166 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016853.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. _____ Date Analyzed: 6/23/2004

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	VB016854.D	Sample Name	4048002
Operator	Skelton	Field ID	Field Blank
Date Acquired	23 Jun 2004 11:20 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	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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40480 Location: 80/166 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016854.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. _____ Date Analyzed: 6/23/2004

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	VB016862.D	Sample Name	4048101
Operator	Skelton	Field ID	2567MW01
Date Acquired	24 Jun 2004 4:16 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	13.78	265354	283.26 ug/L	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.77	243091	7.79 ug/L	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: **2567MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048101

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016862.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. Date Analyzed: 6/24/2004

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.	unknown	13.72	4	J

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

Data File	**VB016863.D**	Sample Name	**4048102**
Operator	**Skelton**	Field ID	**2567MW02**
Date Acquired	**24 Jun 2004 4:53 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	0.21 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016863.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. _____ Date Analyzed: 6/24/2004

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	VB016864.D	Sample Name	4048103
Operator	Skelton	Field ID	2567MW03
Date Acquired	24 Jun 2004 5:30 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	12.79	456277	15.45 ug/L	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	22.70	20867	0.37 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			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.01	34095	1.66 ug/L	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: **2567MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016864.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. Date Analyzed: 6/24/2004

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	6.66	52	J
2.	unknown	7.40	17	J
3.	unknown	9.01	7	J
4. 000107-83-5	Pentane, 2-methyl-	10.66	15	JN
5.	unknown	10.76	32	J
6. 000096-14-0	Pentane, 3-methyl-	11.66	19	JN
7. 000096-37-7	Cyclopentane, methyl-	14.48	55	JN
8. 000098-82-8	Benzene, (1-methylethyl)-	27.45	22	JN
9. 000103-65-1	Benzene, propyl-	28.25	23	JN
10. 000496-11-7	Indane	30.51	37	JN

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

Data File	VB016865.D	Sample Name	4048104
Operator	Skelton	Field ID	2567MW04
Date Acquired	24 Jun 2004 6:07 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: **2567MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048104

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016865.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. Date Analyzed: 6/24/2004

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	**VB016866.D**	Sample Name	**4048105**
Operator	**Skelton**	Field ID	**2567MW05**
Date Acquired	**24 Jun 2004 6:44 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: **2567MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016866.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. Date Analyzed: 6/24/2004

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	VB016867.D	Sample Name	4048106
Operator	Skelton	Field ID	2567MW06
Date Acquired	24 Jun 2004 7:22 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: **2567MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016867.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. _____ Date Analyzed: 6/24/2004

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	VB016868.D	Sample Name	4048107
Operator	Skelton	Field ID	2567MW07
Date Acquired	24 Jun 2004 7:59 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	12.81	86483	2.98 ug/L	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: **2567MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40481 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4048107

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB016868.D

Level: (low/med) LOW Date Received: 6/22/2004

% Moisture: not dec. Date Analyzed: 6/24/2004

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

LEAD

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

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

Lab ID #: 40480
Sample Received: NA
Sample Matrix: Aqueous

Site: M2 Wells
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)
Aluminum	0706/04	672	200	100
Antimony	0706/04	ND	20	20.0
Arsenic	0706/04	ND	8	5.00
Barium	0706/04	ND	2000	5.00
Beryllium	0706/04	ND	20	0.50
Cadmium	0706/04	ND	4	2.00
Calcium	0706/04	1240	NLE	1000
Chromium	0706/04	ND	100	5.00
Cobalt	0706/04	ND	NLE	2.00
Copper	0706/04	ND	1000	5.00
Iron	0706/04	ND	300	500
Lead	0706/04	10.5	10	5.00
Magnesium	0706/04	ND	NLE	1000
Manganese	0706/04	ND	50	5.00
Mercury	0714/04	ND	2	0.50
Nickel	0706/04	ND	100	5.00
Potassium	0706/04	ND	NLE	1000
Selenium	0706/04	ND	50	20.0
Silver	0706/04	ND	20	5.00
Sodium	0706/04	ND	50000	5000
Thallium	0706/04	ND	10	10.0
Vanadium	0706/04	ND	NLE	5.00
Zinc	0706/04	ND	5000	50.0

ND = Not Detected, 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. 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 #: 4048002
Sample Received: 06/22/04
Sample Matrix: Aqueous

Site: 80/166 Wells

Field ID#: Field Blank

Method of Digestion: E.P.A. SW-846, Method 3015A
Method of Analysis: Std. Methods 18th Edition, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	R.L. (ug/L)
Aluminum	0706/04	ND	200	100
Antimony	0706/04	ND	20	20.0
Arsenic	0706/04	ND	8	5.00
Barium	0706/04	ND	2000	5.00
Beryllium	0706/04	ND	20	0.50
Cadmium	0706/04	ND	4	2.00
Calcium	0706/04	ND	NLE	1000
Chromium	0706/04	ND	100	5.00
Cobalt	0706/04	ND	NLE	2.00
Copper	0706/04	ND	1000	5.00
Iron	0706/04	ND	300	500
Lead	0706/04	ND	10	5.00
Magnesium	0706/04	ND	NLE	1000
Manganese	0706/04	ND	50	5.00
Mercury	0714/04	ND	2	0.50
Nickel	0706/04	ND	100	5.00
Potassium	0706/04	ND	NLE	1000
Selenium	0706/04	ND	50	20.0
Silver	0706/04	ND	20	5.00
Sodium	0706/04	ND	50000	5000
Thallium	0706/04	ND	10	10.0
Vanadium	0706/04	ND	NLE	5.00
Zinc	0706/04	ND	5000	50.0

ND = Not Detected, 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.
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 #: 40481
Sample Received: 06/22/04
Analysis Start: 07/28/04
Analysis Completed: 07/30/04

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
4048101	2567MW01	ND	10.0	5.00
4048102	2567MW02	ND	10.0	5.00
4048103	2567MW03	ND	10.0	5.00
4048104	2567MW04	ND	10.0	5.00
4048105	2567MW05	ND	10.0	5.00
4048106	2567MW06	ND	10.0	5.00
4048107	2567MW07	ND	10.0	5.00
Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note.

LTM

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
12/10/1991	ENV PRO	4	4400	2200	-						-
10/26/1992	ENV PRO	ND	5400	1200	-						-
10/26/1992D	ENV PRO	ND	7000	1500	-						-
04/21/1993	21st CEN	70	470	890	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	ND	28	650	-						-
03/31/1994	21st CEN	ND	22	10	-						-
06/14/1994	21st CEN	ND	120	88	-						-
09/15/1994	21st CEN	ND	600	56	-						-
05/25/1995	EMSL	ND	930	110	-						-
08/15/1995	EMSL	3.3	930	29	-						-
11/21/1995	EMSL	ND	860	80	-						-
02/20/1996	EMSL	4	780	100	-						-
06/13/1996	FMETL	1.2	ND	ND	-						-
09/27/1996	FMETL	ND	ND	ND	-						-
04/11/1997	FMETL	2.5	ND	ND	3.80						V,Pb
08/28/1997	FMETL	1.4	ND	240	4.80						V,Pb
12/02/1997	FMETL	7.0	357	20.3	3.90						V,S,P,M
03/04/1998	FMETL	ND	560	37	3.51						V,S,P,M
06/01/1998	FMETL	0.5	95.63	24.23	4.06						V,Pb
09/24/1998	FMETL	ND	283	10.02	5.21						V,Pb
12/09/1998	FMETL	ND	143.26	3.43	4.90						V,Pb
02/24/1999	FMETL	ND	675	26.15	3.75						V,Pb
05/29/1999	FMETL	ND	605.1	9.16	4.20						V,Pb
07/21/1999	FMETL	ND	155.56	3.33	5.48						V,Pb
10/21/1999	FMETL	1.3	497.3	4.8	4.03						V,Pb
02/14/2000	FMETL	1.31	992	8.2	3.31						V,Pb
05/15/2000	FMETL	ND	458.88	5.24	4.04						V,Pb
08/22/2000	FMETL	ND	218.42	1.20	3.87						V,Pb
11/01/2000	FMETL	ND	ND	15.04	4.24						V,Pb
11/01/2000D	FMETL	ND	ND	15.33	4.24						V,Pb
02/09/2001	FMETL	ND	1488.05	4.83	3.30						V,Pb
05/08/2001	FMETL	0.93	764.25	2.10	4.15						V, Pb
08/15/2001	FMETL	ND	248.74	ND	4.95						V, Pb
08/15/2001D	FMETL	ND	457.64	1.54	4.95						V, Pb
11/09/2001	FMETL	ND	ND	1.09	5.11						V, Pb
02/26/2002	FMETL	ND	859.38	1.61	3.95						V, Pb
05/28/2002	FMETL	ND	331.75	ND	4.09						V, Pb
08/20/2002	FMETL	ND	441.16	ND	5.45						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
10/29/2002	FMETL	1.22	259.69	ND	3.62						V, Pb
02/26/2003	FMETL	1.40	828.6	2.05	3.11						V, Pb
06/11/2003	FMETL	ND	186.42	1.78	3.35						V, Pb
07/22/2003	FMETL	ND	205.86	1.93	4.39						V, Pb
10/07/2003	FMETL	ND	175.48	ND	4.23						V, Pb
01/16/2004	FMETL	ND	224.08	2.08	3.60						V, Pb
06/22/2004	FMETL	ND	283.26	7.79	4.51						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

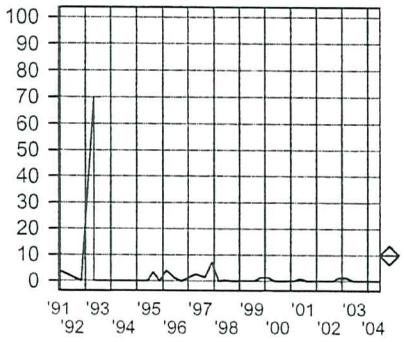
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

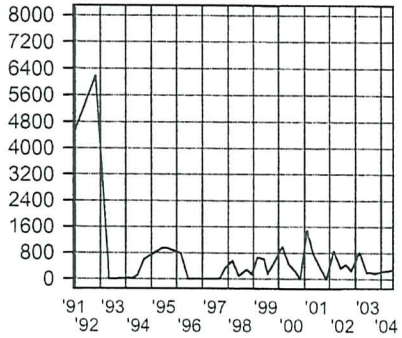
Source 1 of 7 (cont.)

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

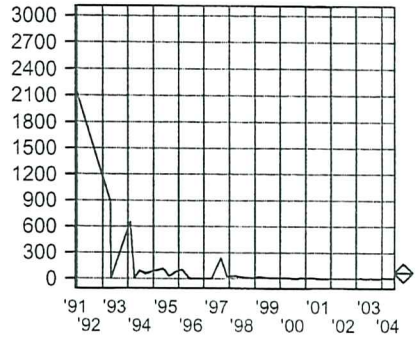
LEAD
(ug/L)



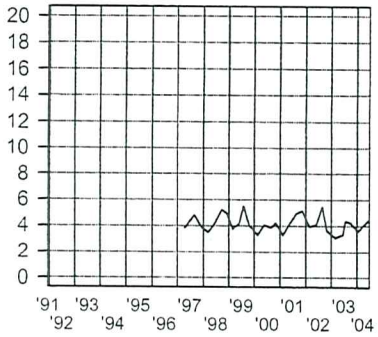
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	ENV PRO	ND	-								-
10/26/1992	ENV PRO	11	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	260	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	5.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	ND	-								-
09/27/1996	FMETL	1.2	-								-
04/11/1997	FMETL	10.7	3.40								V,Pb
08/28/1997	FMETL	ND	4.30								V,Pb
12/02/1997	FMETL	20	3.45								V,S,P,M
03/04/1998	FMETL	8.0	2.92								V,S,P,M
06/01/1998	FMETL	1.4	3.59								V,Pb
09/24/1998	FMETL	ND	4.73								V,Pb
12/09/1998	FMETL	ND	3.42								V,Pb
02/24/1999	FMETL	ND	3.38								V,Pb
05/29/1999	FMETL	ND	3.83								V,Pb
07/21/1999	FMETL	ND	5.03								V,Pb
10/21/1999	FMETL	1.2	3.65								V,Pb
02/14/2000	FMETL	1.49	3.00								V,Pb
05/15/2000	FMETL	ND	3.77								V,Pb
08/22/2000	FMETL	ND	3.51								V,Pb
11/01/2000	FMETL	ND	4.15								V,Pb
02/09/2001	FMETL	ND	2.75								V,Pb
05/08/2001	FMETL	1.02	3.95								V, Pb
08/15/2001	FMETL	ND	4.65								V, Pb
11/09/2001	FMETL	ND	4.81								V, Pb
11/09/2001D	FMETL	ND	4.81								V, Pb
02/26/2002	FMETL	ND	3.86								V, Pb
05/28/2002	FMETL	ND	3.83								V,Pb
08/20/2002	FMETL	ND	5.13								V, Pb
10/29/2002	FMETL	2.47	3.32								V, Pb
02/26/2003	FMETL	ND	2.71								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
06/11/2003	FMETL	ND	3.00								V, Pb
07/22/2003	FMETL	5.20	3.91								V, Pb
10/07/2003	FMETL	0.831	3.89								V, Pb
01/16/2004	FMETL	ND	3.42								V, Pb
06/22/2004	FMETL	ND	4.12								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

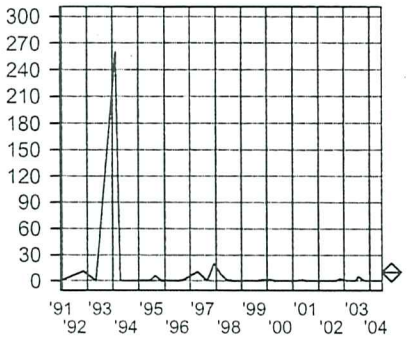
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

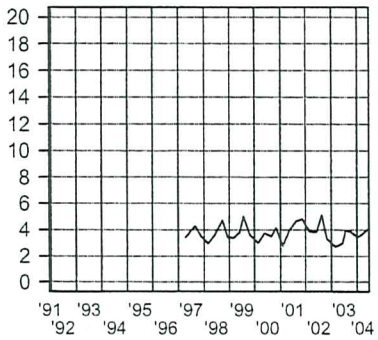
Source 2 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

08-02-2004 X:\MtechData\2567\2567.WSF

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
12/10/1991	ENV PRO	ND	110	ND	69	-					-
10/26/1992	ENV PRO	5	ND	ND	ND	-					-
04/21/1993	ENV PRO	60	180	ND	27	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	41	19	ND	9.1	-					-
03/31/1994	21st CEN	25	ND	ND	ND	-					-
06/14/1994	21st CEN	3	15	ND	100	-					-
09/15/1994	21st CEN	ND	ND	ND	61	-					-
05/25/1995	EMSL	2.7	94	ND	400	-					-
08/15/1995	EMSL	ND	89	ND	670	-					-
11/21/1995	EMSL	ND	35	46	360	-					-
02/20/1996	EMSL	6	40	43	250	-					-
06/13/1996	FMETL	0.7	ND	ND	ND	-					-
09/27/1996	FMETL	6.2	ND	ND	ND	-					-
04/11/1997	FMETL	1.8	ND	ND	ND	3.15					V,Pb
08/28/1997	FMETL	ND	ND	940	62	4.00					V,Pb
12/02/1997	FMETL	10	4.31	ND	188	3.10					V,S,P,M
03/04/1998	FMETL	ND	19	ND	102	2.48					V,S,P,M
06/19/1998	FMETL	ND	4.68	27.52	81.82	3.99					V,Pb
09/25/1998	FMETL	ND	5.96	ND	27.27	4.56					V,Pb
12/16/1998	FMETL	ND	15.45	19.38	20.54	4.25					V,Pb
02/24/1999	FMETL	1.0	1.03	ND	3.3	3.16					V,Pb
05/29/1999	FMETL	ND	1.70	ND	26.34	3.55					V,Pb
07/21/1999	FMETL	ND	ND	ND	8.98	4.85					V,Pb
10/21/1999	FMETL	1.3	ND	ND	13.08	3.93					V,Pb
02/14/2000	FMETL	1.22	ND	ND	3.78	3.42					V,Pb
05/15/2000	FMETL	ND	ND	ND	9.35	3.40					V,Pb
08/22/2000	FMETL	ND	ND	ND	5.36	3.17					V,Pb
11/01/2000	FMETL	ND	ND	ND	20.24	3.56					V,Pb
02/09/2001	FMETL	ND	ND	ND	1.96	2.50					V,Pb
05/08/2001	FMETL	0.96	ND	ND	11.95	3.40					V, Pb
08/15/2001	FMETL	ND	ND	67.42	17.8	4.30					V, Pb
11/09/2001	FMETL	ND	ND	ND	5.51	4.30					V, Pb
02/26/2002	FMETL	ND	ND	31.59	4.14	3.29					V, Pb
05/28/2002	FMETL	ND	ND	ND	3.13	3.40					V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	4.03					V, Pb
10/29/2002	FMETL	ND	ND	ND	2.37	2.98					V, Pb
02/26/2003	FMETL	ND	ND	ND	3.64	2.39					V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	2.55					V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
07/22/2003	FMETL	0.983	ND	ND	6.82	3.81					V, Pb
10/07/2003	FMETL	ND	ND	13.51	4.56	3.52					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	2.95					V, Pb
06/22/2004	FMETL	ND	ND	ND	15.45	3.75					V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

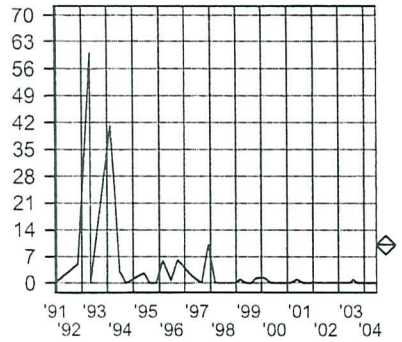
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

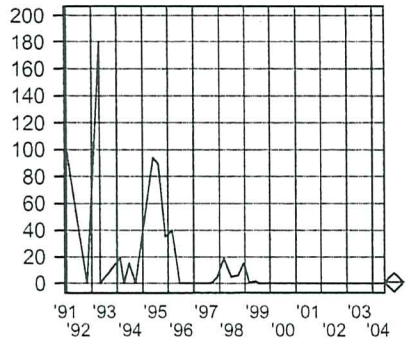
Source 3 of 7 (cont.)

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

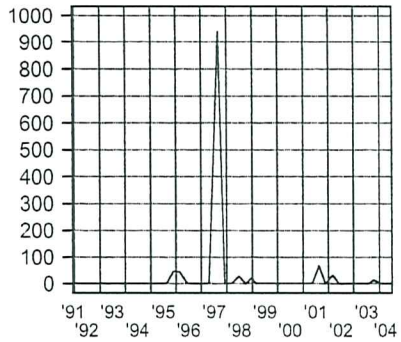
LEAD
(ug/L)



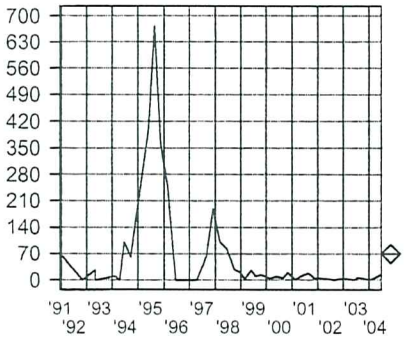
BENZENE
(ug/L)



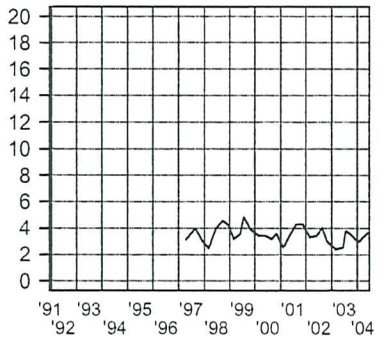
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	EMSL	5	-								-
10/26/1992	ENV PRO	ND	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	ND	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	2.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	1.8	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.3	2.55								V,Pb
08/28/1997	FMETL	ND	3.20								V,Pb
12/02/1997	FMETL	9.0	2.45								V,S,P,M
03/04/1998	FMETL	ND	2.11								V,S,P,M
06/19/1998	FMETL	ND	2.33								V,Pb
09/24/1998	FMETL	ND	3.55								V,Pb
12/12/1998	FMETL	ND	3.11								V,Pb
02/24/1999	FMETL	ND	2.44								V,Pb
05/29/1999	FMETL	ND	2.76								V,Pb
07/21/1999	FMETL	ND	3.98								V,Pb
10/21/1999	FMETL	1.2	2.37								V,Pb
02/14/2000	FMETL	1.4	1.69								V,Pb
05/15/2000	FMETL	ND	2.65								V,Pb
05/15/2000D	FMETL	ND	2.65								V,Pb
08/22/2000	FMETL	ND	2.49								V,Pb
08/22/2000D	FMETL	ND	2.49								V,Pb
11/01/2000	FMETL	ND	2.91								V,Pb
02/09/2001	FMETL	ND	1.99								V,Pb
02/09/2001D	FMETL	ND	1.99								V,Pb
05/08/2001	FMETL	ND	2.68								V, Pb
05/08/2001D	FMETL	1.26	2.68								V, Pb
08/15/2001	FMETL	2.2	3.50								V, Pb
11/09/2001	FMETL	ND	3.65								V, Pb
02/26/2002	FMETL	ND	2.71								V, Pb
05/28/2002	FMETL	ND	2.83								V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/20/2002	FMETL	ND	3.96								V, Pb
10/29/2002	FMETL	ND	2.26								V, Pb
02/26/2003	FMETL	ND	1.84								V, Pb
06/11/2003	FMETL	2.26	2.15								V, Pb
07/22/2003	FMETL	1.22	2.62								V, Pb
10/07/2003	FMETL	ND	2.75								V, Pb
01/16/2004	FMETL	ND	2.37								V, Pb
06/22/2004	FMETL	ND	3.15								V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 06/22/2004

NOTES:

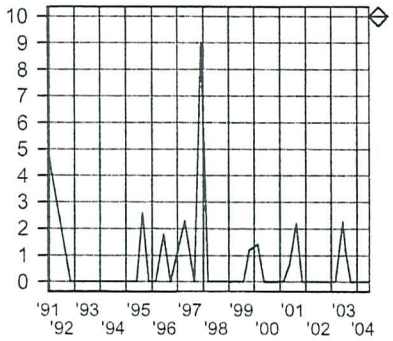
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

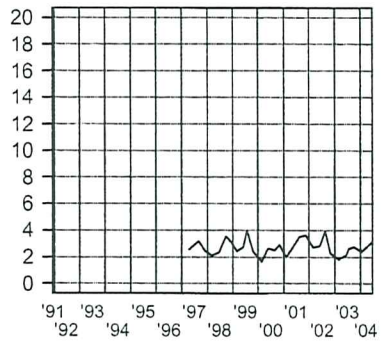
Source 4 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
05/25/1995	EMSL	4.0	-								-
08/15/1995	EMSL	ND	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.7	7.20								V,Pb
08/28/1997	FMETL	ND	7.50								V,Pb
12/02/1997	FMETL	7.0	7.20								V,S,P,M
03/04/1998	FMETL	ND	7.30								V,S,P,M
06/01/1998	FMETL	ND	7.55								V,Pb
09/25/1998	FMETL	ND	7.59								V,Pb
12/16/1998	FMETL	ND	7.34								V,Pb
02/24/1999	FMETL	ND	8.16								V,Pb
06/08/1999	FMETL	ND	7.33								V,Pb
07/21/1999	FMETL	ND	7.87								V,Pb
10/21/1999	FMETL	4.4	8.57								V,Pb
02/14/2000	FMETL	1.21	5.75								V,Pb
05/15/2000	FMETL	ND	6.92								V,Pb
08/22/2000	FMETL	1.6	6.73								V,Pb
11/01/2000	FMETL	2.4	7.16								V,Pb
02/09/2001	FMETL	ND	5.26								V,Pb
05/08/2001	FMETL	4.53	7.47								V, Pb
08/15/2001	FMETL	8.4	7.70								V, Pb
11/09/2001	FMETL	9.7	7.83								V, Pb
02/26/2002	FMETL	6.5	6.95								V, Pb
05/28/2002	FMETL	3.60	5.91								V,Pb
08/20/2002	FMETL	32.3	8.03								V, Pb
10/29/2002	FMETL	49.5	5.95								V, Pb
02/26/2003	FMETL	3.57	5.37								V, Pb
06/11/2003	FMETL	43.9	5.78								V, Pb
07/22/2003	FMETL	22.1	7.30								V, Pb
10/07/2003	FMETL	22.1	7.17								V, Pb
01/16/2004	FMETL	ND	6.93								V, Pb
06/22/2004	FMETL	ND	5.79								V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 06/22/2004

NOTES:

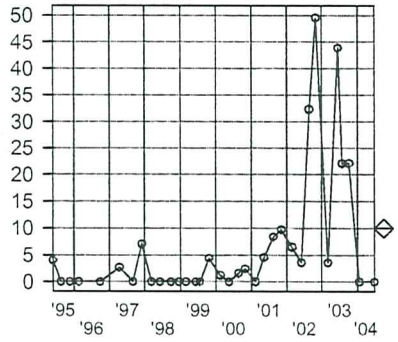
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

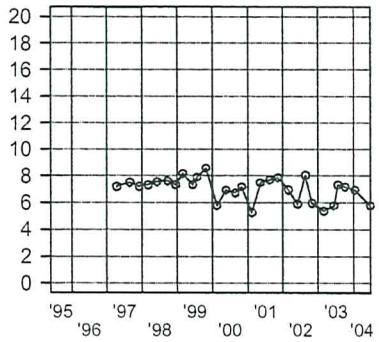
Source 5 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/22/2000	FMETL	ND	7.06								V,Pb
11/01/2000	FMETL	ND	7.26								V,Pb
02/09/2001	FMETL	ND	6.44								V,Pb
05/08/2001	FMETL	1.48	7.42								V, Pb
08/15/2001	FMETL	ND	8.15								V, Pb
11/09/2001	FMETL	ND	8.09								V, Pb
02/26/2002	FMETL	ND	6.82								V, Pb
05/28/2002	FMETL	ND	7.29								V,Pb
08/20/2002	FMETL	1.32	8.78								V, Pb
10/29/2002	FMETL	ND	6.62								V, Pb
02/26/2003	FMETL	ND	6.24								V, Pb
06/11/2003	FMETL	ND	6.50								V, Pb
07/22/2003	FMETL	ND	7.61								V, Pb
10/07/2003	FMETL	ND	7.31								V, Pb
01/16/2004	FMETL	ND	6.65								V, Pb
06/22/2004	FMETL	ND	7.67								V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 06/22/2004

NOTES:

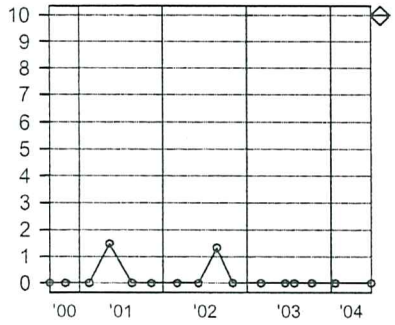
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

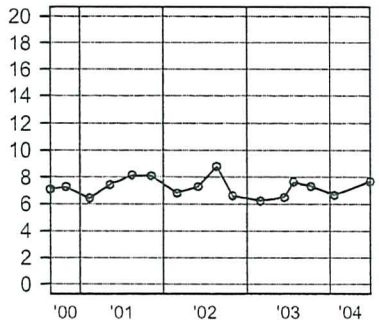
Source 6 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

	LAB	Depth to Water									NOTES
Units:	-	Feet									-
NJDEP Criteria:	-	-									-
08/22/2000	FMETL	6.65									V,Pb
11/02/2000	FMETL	6.80									V,Pb
02/09/2001	FMETL	6.23									V,Pb
05/08/2001	FMETL	7.02									V, Pb
08/15/2001	FMETL	7.75									V, Pb
11/09/2001	FMETL	7.56									V, Pb
02/26/2002	FMETL	6.71									V, Pb
05/28/2002	FMETL	6.83									V,Pb
08/20/2002	FMETL	8.28									V, Pb
10/29/2002	FMETL	6.40									V, Pb
02/26/2003	FMETL	6.07									V, Pb
06/11/2003	FMETL	6.26									V, Pb
07/22/2003	FMETL	7.19									V, Pb
10/07/2003	FMETL	6.88									V, Pb
01/16/2004	FMETL	6.37									V, Pb
06/22/2004	FMETL	7.32									V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 06/22/2004

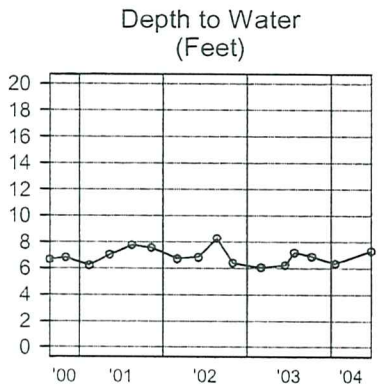
NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7

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



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 06/22/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

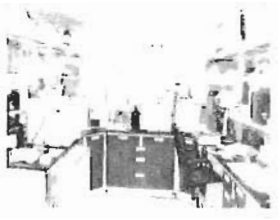
GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4059304	2567MW01	29-26925	08/12/04
4059305	2567MW02	29-26926	08/12/04
4059306	2567MW03	29-26947	08/12/04
4059307	2567MW04	29-26948	08/12/04
4059308	2567MW05	29-31783	08/12/04
4059309	2567MW06	29-42585	08/12/04
4059310	2567MW07	29-42586	08/12/04

NJDEP Laboratory Certification # 13461

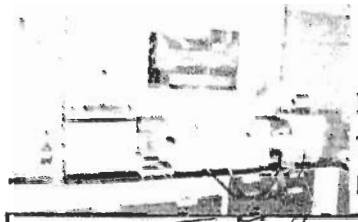
9-10-04
Daniel Wright/Date:
Laboratory Director

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

SAMPLING



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: 2567 wells
3rd Qrtr '04

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCl/HNO_3 /<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	Pb						Hw Read	Remarks / Preservation Method
40593 01	Trip	8/12/04	0749	AQ	2	✓							—	
02	Field Blank		0930		3	✓	✓						—	
03	Dupe		—		3	✓	✓						—	
04	2567 mw01		1042		3	✓	✓						5.1	29-26925
05	2567 mw02		1024			✓	✓						0.0 ~~15.2~~	29-26926
06	2567 mw03 *		1029			✓	✓						15.2 ~~0.0~~ cpm	29-26927
07	2567 mw04		1034			✓	✓						0.0	29-26928
08	2567 mw05		1252			✓	✓						0.0	29-31783
09	2567 mw06		1225			✓	✓						0.0	29-42585
10	2567 mw07		1232			✓	✓						0.0	29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/12/04 1410	J. Vellegrina			
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

COC.XLS7/15/2004

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.11 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.99 ft
(8.99) X .65 X 3 = 17.53
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: 5.1 ppm

PURGE START TIME: 09:20
pH 6.37 su — TEMP 18.76 °C
DISSOLVED O_2 5.21 mg/L — SPECIFIC CONDUCTIVITY 767.0 µs/cm

PURGE END TIME: 10:38
pH 6.71 su — TEMP 17.63 °C
DISSOLVED O_2 1.21 mg/L — SPECIFIC CONDUCTIVITY 730.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.60 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:42
pH 6.72 su — TEMP 17.62 °C
DISSOLVED O_2 1.09 mg/L — SPECIFIC CONDUCTIVITY 730.0 µs/cm

SAMPLE END TIME: 10:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.85 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.35 ft
(8.35) X .65 X 3 = 16.28
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: 09:14
pH 7.03 su
TEMP 18.70 °C
DISSOLVED O_2 4.21 mg/L
SPECIFIC CONDUCTIVITY 171.0 µs/cm

PURGE END TIME: 10:23
pH 6.87 su
TEMP 17.81 °C
DISSOLVED O_2 2.11 mg/L
SPECIFIC CONDUCTIVITY 131.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.73 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:24
pH 6.86 su
TEMP 17.82 °C
DISSOLVED O_2 2.07 mg/L
SPECIFIC CONDUCTIVITY 132
.0 µs/cm

SAMPLE END TIME: 10:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.61 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.89 ft
(8.89) X .65 X 3 = 17.33
GALLONS OF H2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 15.2 ppm

PURGE START TIME: 09:11
pH 6.97 su — TEMP 18.71 °C
DISSOLVED O_2 6.06 mg/L — SPECIFIC CONDUCTIVITY 1030.0 µs/cm

PURGE END TIME: 10:25
pH 6.83 su — TEMP 17.63 °C
DISSOLVED O_2 1.37 mg/L — SPECIFIC CONDUCTIVITY 781.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.45 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:29
pH 6.84 su — TEMP 17.64 °C
DISSOLVED O_2 1.38 mg/L — SPECIFIC CONDUCTIVITY 780.0 µs/cm

SAMPLE END TIME: 10:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.80 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.86 ft
(8.86) X .65 X 3 = 17.27
GALLONS OF H2O 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: 09:17
pH 6.57 su — TEMP 17.61 °C
DISSOLVED O_2 3.71 mg/L — SPECIFIC CONDUCTIVITY 300.0 µs/cm

PURGE END TIME: 10:30
pH 6.30 su — TEMP 17.21 °C
DISSOLVED O_2 1.07 mg/L — SPECIFIC CONDUCTIVITY 251.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.90 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:34
pH 6.31 su — TEMP 17.20 °C
DISSOLVED O_2 1.02 mg/L — SPECIFIC CONDUCTIVITY 250.0 µs/cm

SAMPLE END TIME: 10:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.23 ft
DEPTH OF WELL: 14.75 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: 11:25
pH 6.73 su — TEMP 17.81 °C
DISSOLVED O_2 3.41 mg/L — SPECIFIC CONDUCTIVITY 179.0 µs/cm

PURGE END TIME: 12:47
pH 6.54 su — TEMP 16.81 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 221.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.39 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:48
pH 6.51 su — TEMP 16.82 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 220.0 µs/cm

SAMPLE END TIME: 12:52

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.46 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.28 ft
(8.28) X .65 X 3 = 16.14
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: 11:15
pH 6.83 su — TEMP 17.71 °C
DISSOLVED O_2 4.16 mg/L — SPECIFIC CONDUCTIVITY 771.0 µs/cm

PURGE END TIME: 12:24
pH 6.57 su — TEMP 17.03 °C
DISSOLVED O_2 1.32 mg/L — SPECIFIC CONDUCTIVITY 620.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.91 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 12:25
pH 6.56 su — TEMP 17.04 °C
DISSOLVED O_2 1.30 mg/L — SPECIFIC CONDUCTIVITY 617.0 µs/cm

SAMPLE END TIME: 12:28

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/12/04
WEATHER: Sunny hot and humid.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.10 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.40 ft
(9.40) X .65 X 3 = 18.33
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:10
pH 6.67 su TEMP 17.91 °C
DISSOLVED O_2 2.41 mg/L SPECIFIC CONDUCTIVITY 300.0 µs/cm

PURGE END TIME: 12:28
pH 6.39 su TEMP 17.63 °C
DISSOLVED O_2 1.76 mg/L SPECIFIC CONDUCTIVITY 351.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.02 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:32
pH 6.40 su TEMP 17.64 °C
DISSOLVED O_2 1.77 mg/L SPECIFIC CONDUCTIVITY 353.0 µs/cm

SAMPLE END TIME: 12:35

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	VB017277.D	Sample Name	MB 17Aug04
Operator	Skelton	Field ID	MB 17Aug04
Date Acquired	17 Aug 2004 7:56 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			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 17Aug04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 17Aug04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017277.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/17/2004

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	VB017292.D	Sample Name	4059301
Operator	Skelton	Field ID	Trip Blank
Date Acquired	18 Aug 2004 5:30 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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017292.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	VB017293.D	Sample Name	4059302
Operator	Skelton	Field ID	Field Blank
Date Acquired	18 Aug 2004 6:08 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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017293.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	**VB017294.D**	Sample Name	**4059303**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**18 Aug 2004 6:47 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	13.61	73732	60.68 ug/L	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.81	444910	9.67 ug/L	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	22.70	39858	0.37 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			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.02	65970	1.65 ug/L	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.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017294.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	6.70	37	J
2.		unknown hydrocarbon	7.43	10	J
3.		unknown hydrocarbon	10.80	30	J
4.	000096-14-0	Pentane, 3-methyl-	11.70	15	JN
5.		unknown	14.52	46	J
6.	000108-87-2	Cyclohexane, methyl-	19.57	4	JN
7.	000098-82-8	Benzene, (1-methylethyl)-	27.46	24	JN
8.	000103-65-1	Benzene, propyl-	28.25	27	JN
9.	000496-11-7	Indane	30.52	48	JN
10.	027133-93-3	2,3-Dihydro-1-methylindene	31.60	7	JN

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

Data File	**VB017295.D**	Sample Name	**4059304**
Operator	**Skelton**	Field ID	**2567MW01**
Date Acquired	**18 Aug 2004 7:25 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	13.57	174681	150.65 ug/L	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.84	120590	2.75 ug/L	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: **2567MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017295.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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.	unknown hydrocarbon	16.73	4	J

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

Data File	**VB017296.D**	Sample Name	**4059305**
Operator	**Skelton**	Field ID	**2567MW02**
Date Acquired	**18 Aug 2004 8:03 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			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: **2567MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017296.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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. 000496-11-7	Indane	30.52	8	JN

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

Data File	**VB017297.D**	Sample Name	**4059306**
Operator	**Skelton**	Field ID	**2567MW03**
Date Acquired	**18 Aug 2004 8:41 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	13.75	76547	66.83 ug/L	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.80	418789	9.66 ug/L	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	22.70	38806	0.38 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			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.02	60592	1.61 ug/L	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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017297.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	6.70	**36**	**J**
2.	unknown hydrocarbon	7.43	**10**	**J**
3.	unknown hydrocarbon	10.80	**31**	**J**
4. 000096-14-0	Pentane, 3-methyl-	11.70	15	JN
5.	unknown	14.51	46	J
6. 000275-51-4	Azulene	27.21	5	JN
7. 000098-82-8	Benzene, (1-methylethyl)-	27.45	26	JN
8. 000103-65-1	Benzene, propyl-	28.25	27	JN
9. 000496-11-7	Indane	30.52	49	JN
10. 027133-93-3	2,3-Dihydro-1-methylindene	31.60	7	JN

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

Data File	**VB017298.D**	Sample Name	**4059307**
Operator	**Skelton**	Field ID	**2567MW04**
Date Acquired	**18 Aug 2004 9:19 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: **2567MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017298.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	VB017299.D	Sample Name	4059308
Operator	Skelton	Field ID	2567MW05
Date Acquired	18 Aug 2004 9:56 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: **2567MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017299.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	**VB017300.D**	Sample Name	**4059309**
Operator	**Skelton**	Field ID	**2567MW06**
Date Acquired	**18 Aug 2004 10:34 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: **2567MW06**

Lab Name: FMETL NJDEP#: 13461

Project: **LTM** Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017300.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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	VB017301.D	Sample Name	4059310
Operator	Skelton	Field ID	2567MW07
Date Acquired	18 Aug 2004 11:11 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	12.84	98390	2.51 ug/L	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: **2567MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40593 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4059310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB017301.D

Level: (low/med) LOW Date Received: 8/12/2004

% Moisture: not dec. Date Analyzed: 8/18/2004

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

LEAD

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

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

Lab ID #: 40593
Sample Received: 08/12/04
Analysis Start: 09/03/04
Analysis Completed: 09/03/04

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
4059302	Field Blank	ND	10.0	5.00
4059303	Dupe	ND	10.0	5.00
4059304	2567MW01	ND	10.0	5.00
4059305	2567MW02	ND	10.0	5.00
4059306	2567MW03	ND	10.0	5.00
4059307	2567MW04	ND	10.0	5.00
4059308	2567MW05	ND	10.0	5.00
4059309	2567MW06	ND	10.0	5.00
4059310	2567MW07	5.47	10.0	5.00
Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note.

LTM

	LAB	TERT-BUTYL ALCOHOL	MTBE	BENZENE	LEAD	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	NLE	70	1	10	-					-
12/10/1991	ENV PRO	4400	2200	2400	4	-					-
10/26/1992	ENV PRO	5400	1200	2800	ND	-					-
10/26/1992D	ENV PRO	7000	1500	3200	ND	-					-
04/21/1993	21st CEN	470	890	520	70	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	28	650	21	ND	-					-
03/31/1994	21st CEN	22	10	ND	ND	-					-
06/14/1994	21st CEN	120	88	ND	ND	-					-
09/15/1994	21st CEN	600	56	ND	ND	-					-
05/25/1995	EMSL	930	110	ND	ND	-					-
08/15/1995	EMSL	930	29	ND	3.3	-					-
11/21/1995	EMSL	860	80	ND	ND	-					-
02/20/1996	EMSL	780	100	ND	4	-					-
06/13/1996	FMETL	ND	ND	ND	1.2	-					-
09/27/1996	FMETL	ND	ND	ND	ND	-					-
04/11/1997	FMETL	ND	ND	ND	2.5	3.80					V,Pb
08/28/1997	FMETL	ND	240	39.4	1.4	4.80					V,Pb
12/02/1997	FMETL	357	20.3	ND	7.0	3.90					V,S,P,M
03/04/1998	FMETL	560	37	ND	ND	3.51					V,S,P,M
06/01/1998	FMETL	95.63	24.23	ND	0.5	4.06					V,Pb
09/24/1998	FMETL	283	10.02	ND	ND	5.21					V,Pb
12/09/1998	FMETL	143.26	3.43	ND	ND	4.90					V,Pb
02/24/1999	FMETL	675	26.15	ND	ND	3.75					V,Pb
05/29/1999	FMETL	605.1	9.16	ND	ND	4.20					V,Pb
07/21/1999	FMETL	155.56	3.33	ND	ND	5.48					V,Pb
10/21/1999	FMETL	497.3	4.8	ND	1.3	4.03					V,Pb
02/14/2000	FMETL	992	8.2	ND	1.31	3.31					V,Pb
05/15/2000	FMETL	458.88	5.24	ND	ND	4.04					V,Pb
08/22/2000	FMETL	218.42	1.20	ND	ND	3.87					V,Pb
11/01/2000	FMETL	ND	15.04	ND	ND	4.24					V,Pb
11/01/2000D	FMETL	ND	15.33	ND	ND	4.24					V,Pb
02/09/2001	FMETL	1488.05	4.83	ND	ND	3.30					V,Pb
05/08/2001	FMETL	764.25	2.10	ND	0.93	4.15					V, Pb
08/15/2001	FMETL	248.74	ND	ND	ND	4.95					V, Pb
08/15/2001D	FMETL	457.64	1.54	ND	ND	4.95					V, Pb
11/09/2001	FMETL	ND	1.09	ND	ND	5.11					V, Pb
02/26/2002	FMETL	859.38	1.61	ND	ND	3.95					V, Pb
05/28/2002	FMETL	331.75	ND	ND	ND	4.09					V, Pb
08/20/2002	FMETL	441.16	ND	ND	ND	5.45					V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/12/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	TERT-BUTYL ALCOHOL	MTBE	BENZENE	LEAD	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	NLE	70	1	10	-					-
10/29/2002	FMETL	259.69	ND	ND	1.22	3.62					V, Pb
02/26/2003	FMETL	828.6	2.05	ND	1.40	3.11					V, Pb
06/11/2003	FMETL	186.42	1.78	ND	ND	3.35					V, Pb
07/22/2003	FMETL	205.86	1.93	ND	ND	4.39					V, Pb
10/07/2003	FMETL	175.48	ND	ND	ND	4.23					V, Pb
01/16/2004	FMETL	224.08	2.08	ND	ND	3.60					V, Pb
06/22/2004	FMETL	283.26	7.79	ND	ND	4.51					V, Pb
08/12/2004	FMETL	150.65	2.75	ND	ND	4.11					V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/12/2004

NOTES:

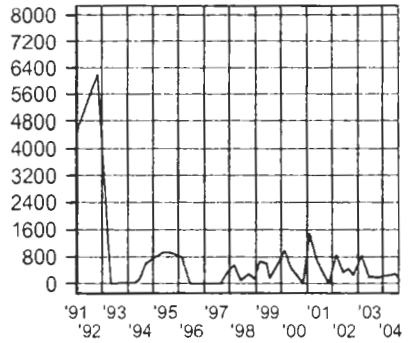
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

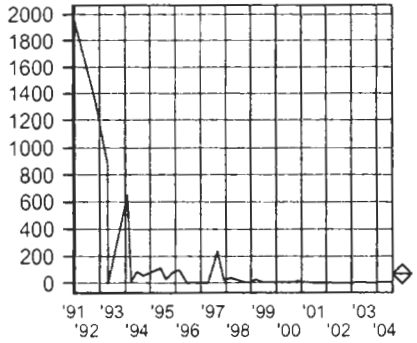
Source 1 of 7 (cont.)

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

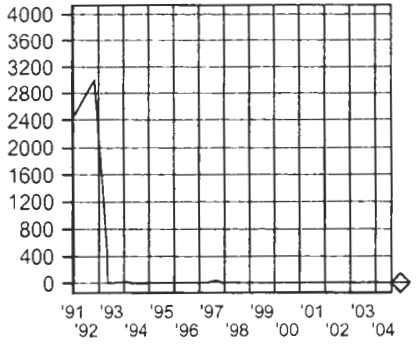
TERT-BUTYL ALCOHOL
(ug/L)



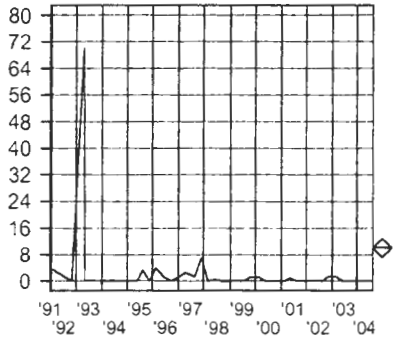
METHYL TERT-BUTYL ETHER
(ug/L)



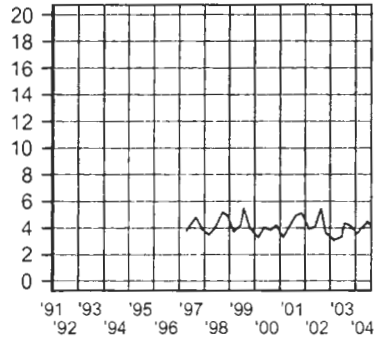
BENZENE
(ug/L)



LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

09-09-2004 X:\MtechData\2567\2567.WSF

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	ENV PRO	ND	-								-
10/26/1992	ENV PRO	11	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	260	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	5.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	ND	-								-
09/27/1996	FMETL	1.2	-								-
04/11/1997	FMETL	10.7	3.40								V,Pb
08/28/1997	FMETL	ND	4.30								V,Pb
12/02/1997	FMETL	20	3.45								V,S,P,M
03/04/1998	FMETL	8.0	2.92								V,S,P,M
06/01/1998	FMETL	1.4	3.59								V,Pb
09/24/1998	FMETL	ND	4.73								V,Pb
12/09/1998	FMETL	ND	3.42								V,Pb
02/24/1999	FMETL	ND	3.38								V,Pb
05/29/1999	FMETL	ND	3.83								V,Pb
07/21/1999	FMETL	ND	5.03								V,Pb
10/21/1999	FMETL	1.2	3.65								V,Pb
02/14/2000	FMETL	1.49	3.00								V,Pb
05/15/2000	FMETL	ND	3.77								V,Pb
08/22/2000	FMETL	ND	3.51								V,Pb
11/01/2000	FMETL	ND	4.15								V,Pb
02/09/2001	FMETL	ND	2.75								V,Pb
05/08/2001	FMETL	1.02	3.95								V, Pb
08/15/2001	FMETL	ND	4.65								V, Pb
11/09/2001	FMETL	ND	4.81								V, Pb
11/09/2001D	FMETL	ND	4.81								V, Pb
02/26/2002	FMETL	ND	3.86								V, Pb
05/28/2002	FMETL	ND	3.83								V,Pb
08/20/2002	FMETL	ND	5.13								V, Pb
10/29/2002	FMETL	2.47	3.32								V, Pb
02/26/2003	FMETL	ND	2.71								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/12/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
06/11/2003	FMETL	ND	3.00								V, Pb
07/22/2003	FMETL	5.20	3.91								V, Pb
10/07/2003	FMETL	0.831	3.89								V, Pb
01/16/2004	FMETL	ND	3.42								V, Pb
06/22/2004	FMETL	ND	4.12								V, Pb
08/12/2004	FMETL	ND	3.85								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/12/2004

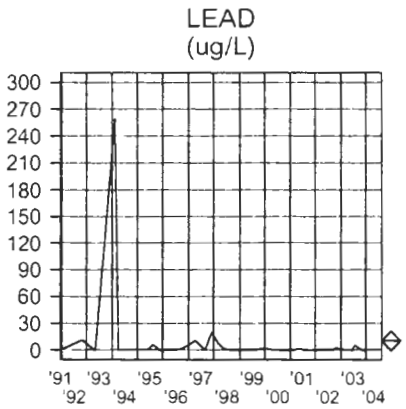
NOTES:

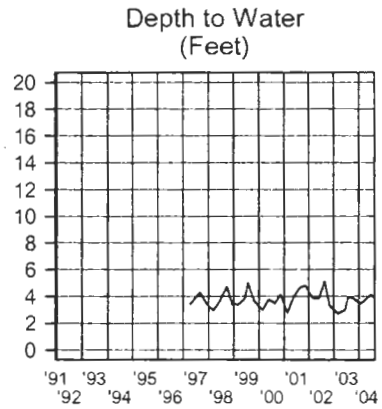
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7 (cont.)

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





SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	NLE	NLE	70	-					-
12/10/1991	ENV PRO	ND	200	ND	69	-					-
10/26/1992	ENV PRO	5	3	ND	ND	-					-
04/21/1993	ENV PRO	60	74.2	ND	27	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	41	65	ND	9.1	-					-
03/31/1994	21st CEN	25	ND	ND	ND	-					-
06/14/1994	21st CEN	3	3.4	ND	100	-					-
09/15/1994	21st CEN	ND	1.4	ND	61	-					-
05/25/1995	EMSL	2.7	190	ND	400	-					-
08/15/1995	EMSL	ND	360	ND	670	-					-
11/21/1995	EMSL	ND	91	46	360	-					-
02/20/1996	EMSL	6	70	43	250	-					-
06/13/1996	FMETL	0.7	ND	ND	ND	-					-
09/27/1996	FMETL	6.2	ND	ND	ND	-					-
04/11/1997	FMETL	1.8	ND	ND	ND	3.15					V,Pb
08/28/1997	FMETL	ND	ND	940	62	4.00					V,Pb
12/02/1997	FMETL	10	ND	ND	188	3.10					V,S,P,M
03/04/1998	FMETL	ND	8.6	ND	102	2.48					V,S,P,M
06/19/1998	FMETL	ND	ND	27.52	81.82	3.99					V,Pb
09/25/1998	FMETL	ND	3.62	ND	27.27	4.56					V,Pb
12/16/1998	FMETL	ND	3.67	19.38	20.54	4.25					V,Pb
02/24/1999	FMETL	1.0	ND	ND	3.3	3.16					V,Pb
05/29/1999	FMETL	ND	1.29	ND	26.34	3.55					V,Pb
07/21/1999	FMETL	ND	ND	ND	8.98	4.85					V,Pb
10/21/1999	FMETL	1.3	ND	ND	13.08	3.93					V,Pb
02/14/2000	FMETL	1.22	ND	ND	3.78	3.42					V,Pb
05/15/2000	FMETL	ND	ND	ND	9.35	3.40					V,Pb
08/22/2000	FMETL	ND	ND	ND	5.36	3.17					V,Pb
11/01/2000	FMETL	ND	ND	ND	20.24	3.56					V,Pb
02/09/2001	FMETL	ND	ND	ND	1.96	2.50					V,Pb
05/08/2001	FMETL	0.96	ND	ND	11.95	3.40					V, Pb
08/15/2001	FMETL	ND	ND	67.42	17.8	4.30					V, Pb
11/09/2001	FMETL	ND	ND	ND	5.51	4.30					V, Pb
02/26/2002	FMETL	ND	ND	31.59	4.14	3.29					V, Pb
05/28/2002	FMETL	ND	ND	ND	3.13	3.40					V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	4.03					V, Pb
10/29/2002	FMETL	ND	ND	ND	2.37	2.98					V, Pb
02/26/2003	FMETL	ND	ND	ND	3.64	2.39					V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	2.55					V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/12/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	NLE	NLE	70	-					-
07/22/2003	FMETL	0.983	ND	ND	6.82	3.81					V, Pb
10/07/2003	FMETL	ND	1.38	13.51	4.56	3.52					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	2.95					V, Pb
06/22/2004	FMETL	ND	1.66	ND	15.45	3.75					V, Pb
08/12/2004	FMETL	ND	1.61	66.83	9.66	3.61					V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/12/2004

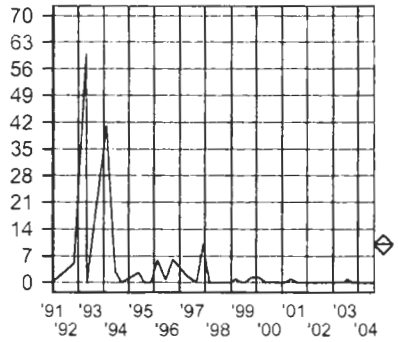
NOTES:

FORT MONMOUTH

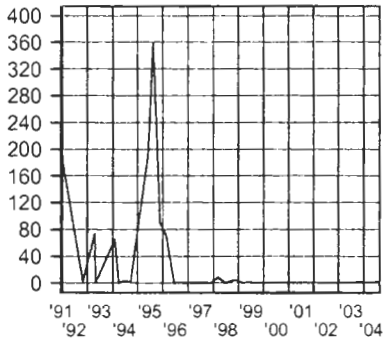
GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

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

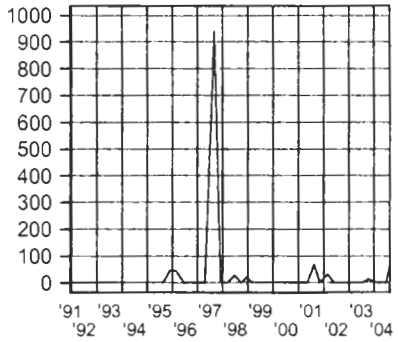
LEAD
(ug/L)



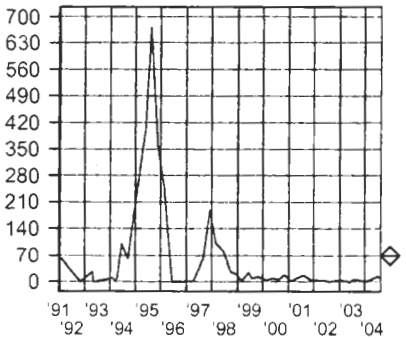
XYLENE
(ug/L)



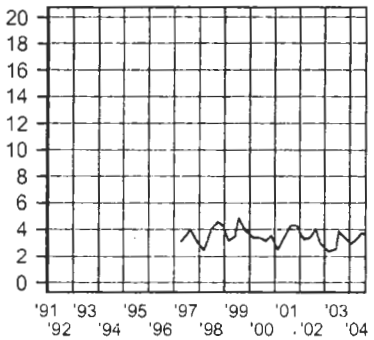
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

09-09-2004 X:\MtechData\2567\2567.WSF

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	EMSL	5	-								-
10/26/1992	ENV PRO	ND	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	ND	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	2.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	1.8	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.3	2.55								V,Pb
08/28/1997	FMETL	ND	3.20								V,Pb
12/02/1997	FMETL	9.0	2.45								V,S,P,M
03/04/1998	FMETL	ND	2.11								V,S,P,M
06/19/1998	FMETL	ND	2.33								V,Pb
09/24/1998	FMETL	ND	3.55								V,Pb
12/12/1998	FMETL	ND	3.11								V,Pb
02/24/1999	FMETL	ND	2.44								V,Pb
05/29/1999	FMETL	ND	2.76								V,Pb
07/21/1999	FMETL	ND	3.98								V,Pb
10/21/1999	FMETL	1.2	2.37								V,Pb
02/14/2000	FMETL	1.4	1.69								V,Pb
05/15/2000	FMETL	ND	2.65								V,Pb
05/15/2000D	FMETL	ND	2.65								V,Pb
08/22/2000	FMETL	ND	2.49								V,Pb
08/22/2000D	FMETL	ND	2.49								V,Pb
11/01/2000	FMETL	ND	2.91								V,Pb
02/09/2001	FMETL	ND	1.99								V,Pb
02/09/2001D	FMETL	ND	1.99								V,Pb
05/08/2001	FMETL	ND	2.68								V, Pb
05/08/2001D	FMETL	1.26	2.68								V, Pb
08/15/2001	FMETL	2.2	3.50								V, Pb
11/09/2001	FMETL	ND	3.65								V, Pb
02/26/2002	FMETL	ND	2.71								V, Pb
05/28/2002	FMETL	ND	2.83								V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/12/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/20/2002	FMETL	ND	3.96								V, Pb
10/29/2002	FMETL	ND	2.26								V, Pb
02/26/2003	FMETL	ND	1.84								V, Pb
06/11/2003	FMETL	2.26	2.15								V, Pb
07/22/2003	FMETL	1.22	2.62								V, Pb
10/07/2003	FMETL	ND	2.75								V, Pb
01/16/2004	FMETL	ND	2.37								V, Pb
06/22/2004	FMETL	ND	3.15								V, Pb
08/12/2004	FMETL	ND	2.80								V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/12/2004

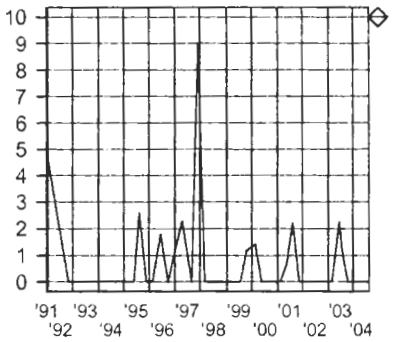
NOTES:

FORT MONMOUTH

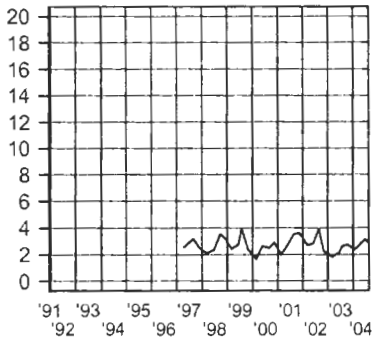
GW MONITORING
Bldg. 2567
Table / Graph A
Source 4 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
05/25/1995	EMSL	4.0	-								-
08/15/1995	EMSL	ND	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.7	7.20								V,Pb
08/28/1997	FMETL	ND	7.50								V,Pb
12/02/1997	FMETL	7.0	7.20								V,S,P,M
03/04/1998	FMETL	ND	7.30								V,S,P,M
06/01/1998	FMETL	ND	7.55								V,Pb
09/25/1998	FMETL	ND	7.59								V,Pb
12/16/1998	FMETL	ND	7.34								V,Pb
02/24/1999	FMETL	ND	8.16								V,Pb
06/08/1999	FMETL	ND	7.33								V,Pb
07/21/1999	FMETL	ND	7.87								V,Pb
10/21/1999	FMETL	4.4	8.57								V,Pb
02/14/2000	FMETL	1.21	5.75								V,Pb
05/15/2000	FMETL	ND	6.92								V,Pb
08/22/2000	FMETL	1.6	6.73								V,Pb
11/01/2000	FMETL	2.4	7.16								V,Pb
02/09/2001	FMETL	ND	5.26								V,Pb
05/08/2001	FMETL	4.53	7.47								V, Pb
08/15/2001	FMETL	8.4	7.70								V, Pb
11/09/2001	FMETL	9.7	7.83								V, Pb
02/26/2002	FMETL	6.5	6.95								V, Pb
05/28/2002	FMETL	3.60	5.91								V,Pb
08/20/2002	FMETL	32.3	8.03								V, Pb
10/29/2002	FMETL	49.5	5.95								V, Pb
02/26/2003	FMETL	3.57	5.37								V, Pb
06/11/2003	FMETL	43.9	5.78								V, Pb
07/22/2003	FMETL	22.1	7.30								V, Pb
10/07/2003	FMETL	22.1	7.17								V, Pb
01/16/2004	FMETL	ND	6.93								V, Pb
06/22/2004	FMETL	ND	5.79								V, Pb
08/12/2004	FMETL	ND	5.23								V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/12/2004

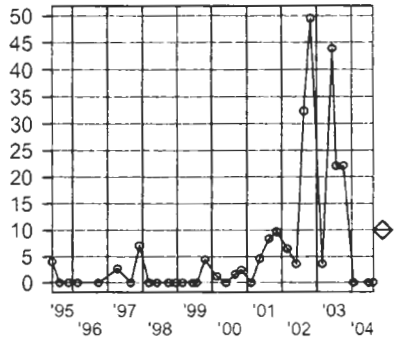
NOTES:

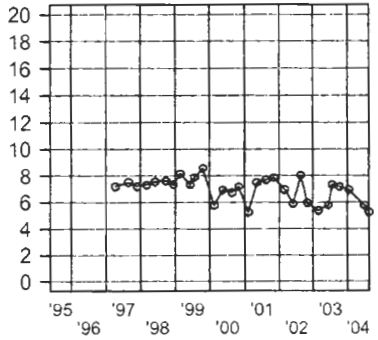
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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





SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/22/2000	FMETL	ND	7.06								V,Pb
11/01/2000	FMETL	ND	7.26								V,Pb
02/09/2001	FMETL	ND	6.44								V,Pb
05/08/2001	FMETL	1.48	7.42								V, Pb
08/15/2001	FMETL	ND	8.15								V, Pb
11/09/2001	FMETL	ND	8.09								V, Pb
02/26/2002	FMETL	ND	6.82								V, Pb
05/28/2002	FMETL	ND	7.29								V,Pb
08/20/2002	FMETL	1.32	8.78								V, Pb
10/29/2002	FMETL	ND	6.62								V, Pb
02/26/2003	FMETL	ND	6.24								V, Pb
06/11/2003	FMETL	ND	6.50								V, Pb
07/22/2003	FMETL	ND	7.61								V, Pb
10/07/2003	FMETL	ND	7.31								V, Pb
01/16/2004	FMETL	ND	6.65								V, Pb
06/22/2004	FMETL	ND	7.67								V, Pb
08/12/2004	FMETL	ND	7.46								V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 08/12/2004

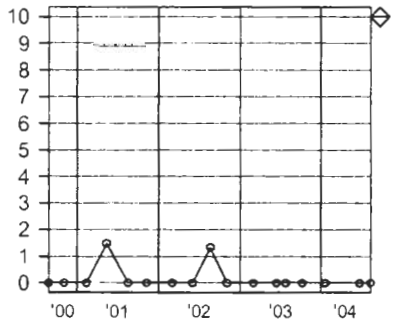
NOTES:

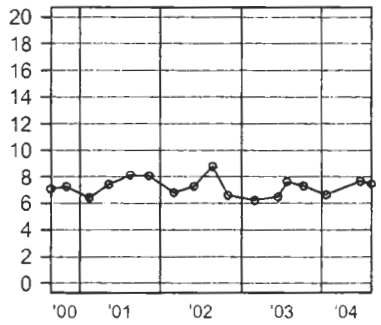
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7

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





SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

09-09-2004 X:\MtechData\2567\2567.WSF

	LAB	LEAD	MTBE	Depth to Water							NOTES
Units:	-	ug/L	ug/L	Feet							-
NJDEP Criteria:	-	10	70	-							-
08/22/2000	FMETL	ND	ND	6.65							V,Pb
11/02/2000	FMETL	ND	ND	6.80							V,Pb
02/09/2001	FMETL	ND	ND	6.23							V,Pb
05/08/2001	FMETL	ND	ND	7.02							V, Pb
08/15/2001	FMETL	ND	ND	7.75							V, Pb
11/09/2001	FMETL	ND	ND	7.56							V, Pb
02/26/2002	FMETL	ND	ND	6.71							V, Pb
05/28/2002	FMETL	ND	ND	6.83							V,Pb
08/20/2002	FMETL	ND	ND	8.28							V, Pb
10/29/2002	FMETL	ND	ND	6.40							V, Pb
02/26/2003	FMETL	ND	ND	6.07							V, Pb
06/11/2003	FMETL	0.855	ND	6.26							V, Pb
07/22/2003	FMETL	ND	ND	7.19							V, Pb
10/07/2003	FMETL	ND	ND	6.88							V, Pb
01/16/2004	FMETL	ND	ND	6.37							V, Pb
06/22/2004	FMETL	ND	2.98	7.32							V, Pb
08/12/2004	FMETL	5.47	2.51	7.10							V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/12/2004

NOTES:

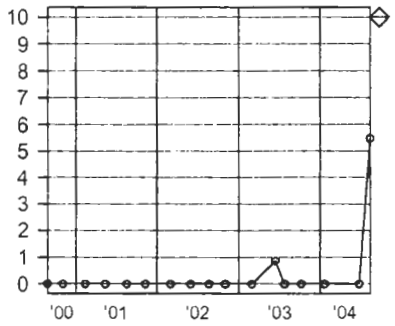
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

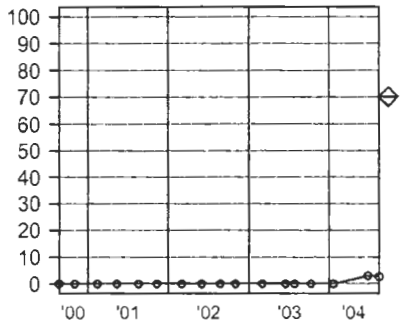
Source 7 of 7

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

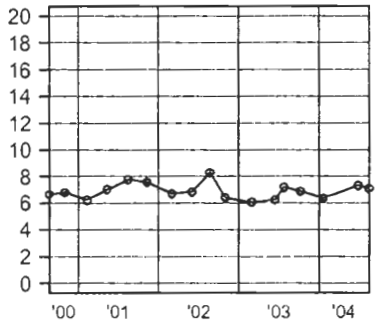
LEAD
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/12/2004

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
4080704	2567MW01	29-26925	11/24/04
4080705	2567MW02	29-26926	11/24/04
4080706	2567MW03	29-26947	11/24/04
4080707	2567MW04	29-26948	11/24/04
4080708	2567MW05	29-31783	11/24/04
4080709	2567MW06	29-42585	11/24/04
4080710	2567MW07	29-42586	11/24/04

NJDEP Laboratory Certification # 13461

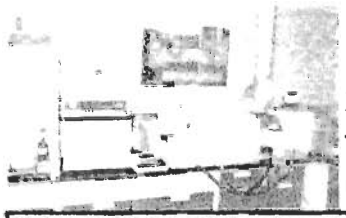
12-30-04
Daniel Wright/Date:
Laboratory Director

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

SAMPLING



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon	Project No:	Analysis Parameters								Comments:
Phone #: 26223	Location: 2567	VOA+15	7 KS PB TAL METALS							
( )DERA ( )OMA ( )Other:_____	4th QTR 04									
Samplers Name / Company: George Boyce/TVS										
LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles					Remarks / Preservation Method
4080701	Trip Blank	11/24/2004		AQ	2	X				
4080702	Field Blank	11/24/2004	0855	AQ	3	X	X			
4080703	DUP.	11/24/2004		AQ	3	X	X			
4080704	2567MW01	11/24/2004	1103	AQ	3	X	X			29-26925
4080705	2567MW02	11/24/2004	1234	AQ	3	X	X			29-26926
4080706	2567MW03	11/24/2004	1257	AQ	3	X	X			29-26947
4080707	2567MW04	11/24/2004	1154	AQ	3	X	X			29-26948
4080708	2567MW05	11/24/2004	0917	AQ	3	X	X			29-31783
4080709	2567MW06	11/24/2004	1002	AQ	3	X	X			29-42585
4080710	2567MW07	11/24/2004	1021	AQ	3	X	X			29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
George Boyce	11-24-04 1545				
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:

print legibly

296LTM.XLS 11/24/2004

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.54 ft
DEPTH OF WELL: 13.10 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: 0.0 ppm

PURGE START TIME: 09:40
pH 5.94 su — TEMP 17.04 °C
DISSOLVED O_2 2.98 mg/L — SPECIFIC CONDUCTIVITY 3537.0 µs/cm

PURGE END TIME: 11:02
pH 6.31 su — TEMP 16.95 °C
DISSOLVED O_2 .34 mg/L — SPECIFIC CONDUCTIVITY 4340.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.78 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:03
pH 6.36 su — TEMP 16.88 °C
DISSOLVED O_2 .22 mg/L — SPECIFIC CONDUCTIVITY 4964.0 µs/cm

SAMPLE END TIME: 11:08

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.19 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.01 ft
(9.01) X .65 X 3 = 17.56
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: 11:16
pH 6.67 su — TEMP 17.33 °C
DISSOLVED O_2 1.28 mg/L — SPECIFIC CONDUCTIVITY 2628.0 µs/cm

PURGE END TIME: 12:33
pH 6.09 su — TEMP 17.55 °C
DISSOLVED O_2 .32 mg/L — SPECIFIC CONDUCTIVITY 2912.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.05 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:34
pH 6.11 su — TEMP 17.47 °C
DISSOLVED O_2 .15 mg/L — SPECIFIC CONDUCTIVITY 2916.0 µs/cm

SAMPLE END TIME: 12:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.98 ft
DEPTH OF WELL: 12.50 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 H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:34
pH 6.54 su — TEMP 17.20 °C
DISSOLVED O_2 1.67 mg/L — SPECIFIC CONDUCTIVITY 2794.0 µs/cm

PURGE END TIME: 12:56
pH 6.31 su — TEMP 17.28 °C
DISSOLVED O_2 1.07 mg/L — SPECIFIC CONDUCTIVITY 4928.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.01 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:57
pH 6.35 su — TEMP 17.13 °C
DISSOLVED O_2 -.30 mg/L — SPECIFIC CONDUCTIVITY 4953.0 µs/cm

SAMPLE END TIME: 13:02

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.08 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.58 ft
(9.58) X .65 X 3 = 18.68
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:41
pH 5.88 su — TEMP 15.30 °C
DISSOLVED O_2 3.90 mg/L — SPECIFIC CONDUCTIVITY 2700.0 µs/cm

PURGE END TIME: 11:53
pH 5.23 su — TEMP 15.23 °C
DISSOLVED O_2 0.00 mg/L — SPECIFIC CONDUCTIVITY 3283.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.68 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:54
pH 5.22 su — TEMP 15.05 °C
DISSOLVED O_2 0.08 mg/L — SPECIFIC CONDUCTIVITY 3280.0 µs/cm

SAMPLE END TIME: 11:59

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.44 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.32 ft
(8.32) X .65 X 3 = 16.20
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: 08:03
pH 7.90 su — TEMP 13.99 °C
DISSOLVED O_2 4.55 mg/L — SPECIFIC CONDUCTIVITY 2163.0 µs/cm

PURGE END TIME: 09:16
pH 6.03 su — TEMP 13.94 °C
DISSOLVED O_2 6.20 mg/L — SPECIFIC CONDUCTIVITY 2847.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.92 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 09:17
pH 5.81 su — TEMP 13.72 °C
DISSOLVED O_2 5.69 mg/L — SPECIFIC CONDUCTIVITY 2844.0 µs/cm

SAMPLE END TIME: 09:22

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.45 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.29 ft
(9.29) X .65 X 3 = 18.11
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: 08:39
pH 3.81 su — TEMP 14.18 °C
DISSOLVED O_2 6.04 mg/L — SPECIFIC CONDUCTIVITY 2889.0 µs/cm

PURGE END TIME: 10:01
pH 5.27 su — TEMP 13.90 °C
DISSOLVED O_2 3.49 mg/L — SPECIFIC CONDUCTIVITY 3234.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.89 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:02
pH 4.70 su — TEMP 13.79 °C
DISSOLVED O_2 1.59 mg/L — SPECIFIC CONDUCTIVITY 3172.0 µs/cm

SAMPLE END TIME: 10:07

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: George Boyce
DATE: 11/24/04
WEATHER: Rainy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.17 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.32 ft
(10.32) X .65 X 3 = 20.14
GALLONS OF H2O TO BE PURGED: 21 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: 08:45
pH 5.20 su TEMP 14.25 °C
DISSOLVED O_2 4.44 mg/L SPECIFIC CONDUCTIVITY 2618.0 µs/cm

PURGE END TIME: 10:15
pH 5.17 su TEMP 14.85 °C
DISSOLVED O_2 3.78 mg/L SPECIFIC CONDUCTIVITY 3300.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.16 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:16
pH 5.33 su TEMP 14.77 °C
DISSOLVED O_2 2.19 mg/L SPECIFIC CONDUCTIVITY 3302.0 µs/cm

SAMPLE END TIME: 10:21

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	VB018154.D	Sample Name	MB 29Nov04
Operator	Skelton	Field ID	MB 29Nov04
Date Acquired	29 Nov 2004 2:05 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 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: **MB 29Nov04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 29Nov04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018154.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/29/2004

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	**VB018189.D**	Sample Name	**MB 30Nov04**
Operator	**Skelton**	Field ID	**MB 30Nov04**
Date Acquired	**30 Nov 2004 2:42 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: **MB 30Nov04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 30Nov04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018189.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	VB018176.D	Sample Name	4080701
Operator	Skelton	Field ID	Trip Blank
Date Acquired	30 Nov 2004 5:25 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	16.67	51396	1.40 ug/L	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.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018176.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	VB018177.D	Sample Name	4080702
Operator	Skelton	Field ID	Field Blank
Date Acquired	30 Nov 2004 6:07 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	16.66	32332	0.94 ug/L	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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018177.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	VB018178.D	Sample Name	4080703
Operator	Skelton	Field ID	Dupe
Date Acquired	30 Nov 2004 6:49 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	13.35	307059	606.09 ug/L	nle	8.54 ug/L	20.00 ug/L	E
1634044	Methyl-tert-Butyl ether	12.86	23382	0.78 ug/L	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

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

Data File	**VB018198.D**	Sample Name	**4080703**
Operator	**Skelton**	Field ID	**Dup**
Date Acquired	**30 Nov 2004 9:17 pm**	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	13.37	38905	534.62 ug/L	nle	42.70 ug/L	100.00 ug/L	D
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			not detected	5	1.00 ug/L	10.00 ug/L	
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			not detected	700	26.90 ug/L	10.00 ug/L	
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			not detected	300	4.50 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	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			not detected	1000	1.25 ug/L	10.00 ug/L	
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			not detected	700	1.40 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	1.20 ug/L	10.00 ug/L	
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-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = 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.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018178.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	VB018179.D	Sample Name	4080704
Operator	Skelton	Field ID	2567MW01
Date Acquired	30 Nov 2004 7:30 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	13.39	276372	557.37 ug/L	nle	8.54 ug/L	20.00 ug/L	E
1634044	Methyl-tert-Butyl ether	12.87	21091	0.72 ug/L	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

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

Data File	**VB018199.D**	Sample Name	**4080704**
Operator	**Skelton**	Field ID	**2567MW01**
Date Acquired	**30 Nov 2004 9:59 pm**	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	13.43	34580	478.49 ug/L	nle	42.70 ug/L	100.00 ug/L	D
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			not detected	5	1.00 ug/L	10.00 ug/L	
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			not detected	700	26.90 ug/L	10.00 ug/L	
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			not detected	300	4.50 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	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			not detected	1000	1.25 ug/L	10.00 ug/L	
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			not detected	700	1.40 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	1.20 ug/L	10.00 ug/L	
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-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = 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: **2567MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018179.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	**VB018180.D**	Sample Name	**4080705**
Operator	**Skelton**	Field ID	**2567MW02**
Date Acquired	**30 Nov 2004 8:12 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 deteeted	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: **2567MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018180.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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. 000496-11-7	Indane	30.52	3	JN

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

Data File	VB018181.D	Sample Name	4080706
Operator	Skelton	Field ID	2567MW03
Date Acquired	30 Nov 2004 8:53 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 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: **2567MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018181.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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.	unknown	6.69	5	J
2.	unknown	10.78	3	J

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

Data File	VB018194.D	Sample Name	4080707
Operator	Skelton	Field ID	2567MW04
Date Acquired	30 Nov 2004 6:30 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018194.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	**VB018195.D**	Sample Name	**4080708**
Operator	**Skelton**	Field ID	**2567MW05**
Date Acquired	**30 Nov 2004 7:12 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018195.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	**VB018196.D**	Sample Name	**4080709**
Operator	**Skelton**	Field ID	**2567MW06**
Date Acquired	**30 Nov 2004 7:53 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018196.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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	**VB018197.D**	Sample Name	**4080710**
Operator	**Skelton**	Field ID	**2567MW07**
Date Acquired	**30 Nov 2004 8:35 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.57 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 40807 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4080710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018197.D

Level: (low/med) LOW Date Received: 11/24/2004

% Moisture: not dec. Date Analyzed: 11/30/2004

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

LEAD

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

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

Lab ID #: 40807
Sample Received: 11/24/04
Analysis Start: 12/07/04
Analysis Completed: 12/07/04

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
4080702	Field Blank	ND	10.0	5.00
4080703	Dupe	ND	10.0	5.00
4080704	2567MW01	ND	10.0	5.00
4080705	2567MW02	ND	10.0	5.00
4080706	2567MW03	ND	10.0	5.00
4080707	2567MW04	ND	10.0	5.00
4080708	2567MW05	22.4	10.0	5.00
4080709	2567MW06	ND	10.0	5.00
4080710	2567MW07	ND	10.0	5.00
Method Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note.

LTM

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
12/10/1991	ENV PRO	4	4400	2200	-						-
10/26/1992	ENV PRO	ND	5400	1200	-						-
10/26/1992D	ENV PRO	ND	7000	1500	-						-
04/21/1993	21st CEN	70	470	890	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	ND	28	650	-						-
03/31/1994	21st CEN	ND	22	10	-						-
06/14/1994	21st CEN	ND	120	88	-						-
09/15/1994	21st CEN	ND	600	56	-						-
05/25/1995	EMSL	ND	930	110	-						-
08/15/1995	EMSL	3.3	930	29	-						-
11/21/1995	EMSL	ND	860	80	-						-
02/20/1996	EMSL	4	780	100	-						-
06/13/1996	FMETL	1.2	ND	ND	-						-
09/27/1996	FMETL	ND	ND	ND	-						-
04/11/1997	FMETL	2.5	ND	ND	3.80						V,Pb
08/28/1997	FMETL	1.4	ND	240	4.80						V,Pb
12/02/1997	FMETL	7.0	357	20.3	3.90						V,S,P,M
03/04/1998	FMETL	ND	560	37	3.51						V,S,P,M
06/01/1998	FMETL	0.5	95.63	24.23	4.06						V,Pb
09/24/1998	FMETL	ND	283	10.02	5.21						V,Pb
12/09/1998	FMETL	ND	143.26	3.43	4.90						V,Pb
02/24/1999	FMETL	ND	675	26.15	3.75						V,Pb
05/29/1999	FMETL	ND	605.1	9.16	4.20						V,Pb
07/21/1999	FMETL	ND	155.56	3.33	5.48						V,Pb
10/21/1999	FMETL	1.3	497.3	4.8	4.03						V,Pb
02/14/2000	FMETL	1.31	992	8.2	3.31						V,Pb
05/15/2000	FMETL	ND	458.88	5.24	4.04						V,Pb
08/22/2000	FMETL	ND	218.42	1.20	3.87						V,Pb
11/01/2000	FMETL	ND	ND	15.04	4.24						V,Pb
11/01/2000D	FMETL	ND	ND	15.33	4.24						V,Pb
02/09/2001	FMETL	ND	1488.05	4.83	3.30						V,Pb
05/08/2001	FMETL	0.93	764.25	2.10	4.15						V, Pb
08/15/2001	FMETL	ND	248.74	ND	4.95						V, Pb
08/15/2001D	FMETL	ND	457.64	1.54	4.95						V, Pb
11/09/2001	FMETL	ND	ND	1.09	5.11						V, Pb
02/26/2002	FMETL	ND	859.38	1.61	3.95						V, Pb
05/28/2002	FMETL	ND	331.75	ND	4.09						V, Pb
08/20/2002	FMETL	ND	441.16	ND	5.45						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A
Source 1 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
10/29/2002	FMETL	1.22	259.69	ND	3.62						V, Pb
02/26/2003	FMETL	1.40	828.6	2.05	3.11						V, Pb
06/11/2003	FMETL	ND	186.42	1.78	3.35						V, Pb
07/22/2003	FMETL	ND	205.86	1.93	4.39						V, Pb
10/07/2003	FMETL	ND	175.48	ND	4.23						V, Pb
01/16/2004	FMETL	ND	224.08	2.08	3.60						V, Pb
06/22/2004	FMETL	ND	283.26	7.79	4.51						V, Pb
08/12/2004	FMETL	ND	150.65	2.75	4.11						V, Pb
11/24/2004	FMETL	ND	478.49	0.72	3.54						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

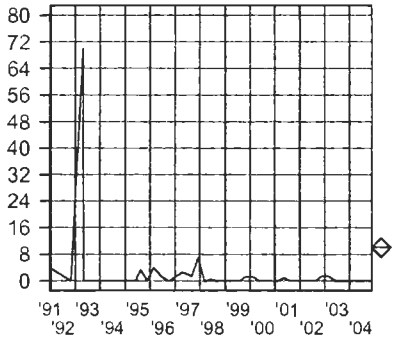
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

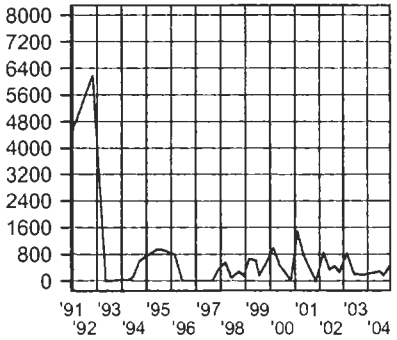
Source 1 of 7 (cont.)

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

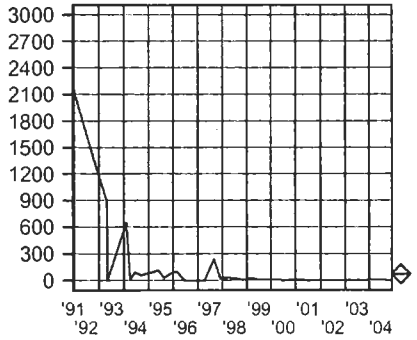
LEAD
(ug/L)



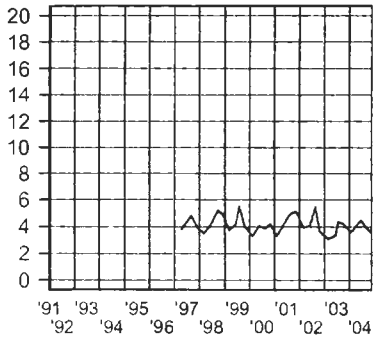
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

12-27-2004 \\Gar045\ENVR_Data\MtechData\2567\2567.WSF

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	ENV PRO	ND	-								-
10/26/1992	ENV PRO	11	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	260	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	5.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	ND	-								-
09/27/1996	FMETL	1.2	-								-
04/11/1997	FMETL	10.7	3.40								V,Pb
08/28/1997	FMETL	ND	4.30								V,Pb
12/02/1997	FMETL	20	3.45								V,S,P,M
03/04/1998	FMETL	8.0	2.92								V,S,P,M
06/01/1998	FMETL	1.4	3.59								V,Pb
09/24/1998	FMETL	ND	4.73								V,Pb
12/09/1998	FMETL	ND	3.42								V,Pb
02/24/1999	FMETL	ND	3.38								V,Pb
05/29/1999	FMETL	ND	3.83								V,Pb
07/21/1999	FMETL	ND	5.03								V,Pb
10/21/1999	FMETL	1.2	3.65								V,Pb
02/14/2000	FMETL	1.49	3.00								V,Pb
05/15/2000	FMETL	ND	3.77								V,Pb
08/22/2000	FMETL	ND	3.51								V,Pb
11/01/2000	FMETL	ND	4.15								V,Pb
02/09/2001	FMETL	ND	2.75								V,Pb
05/08/2001	FMETL	1.02	3.95								V, Pb
08/15/2001	FMETL	ND	4.65								V, Pb
11/09/2001	FMETL	ND	4.81								V, Pb
11/09/2001D	FMETL	ND	4.81								V, Pb
02/26/2002	FMETL	ND	3.86								V, Pb
05/28/2002	FMETL	ND	3.83								V,Pb
08/20/2002	FMETL	ND	5.13								V, Pb
10/29/2002	FMETL	2.47	3.32								V, Pb
02/26/2003	FMETL	ND	2.71								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
06/11/2003	FMETL	ND	3.00								V, Pb
07/22/2003	FMETL	5.20	3.91								V, Pb
10/07/2003	FMETL	0.831	3.89								V, Pb
01/16/2004	FMETL	ND	3.42								V, Pb
06/22/2004	FMETL	ND	4.12								V, Pb
08/12/2004	FMETL	ND	3.85								V, Pb
11/24/2004	FMETL	ND	3.19								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

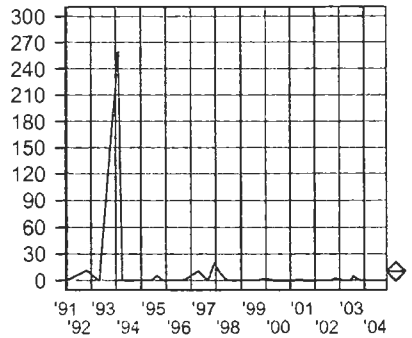
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

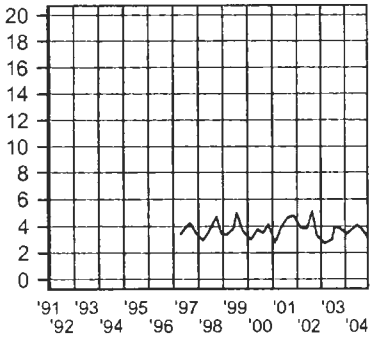
Source 2 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
12/10/1991	ENV PRO	ND	ND	69	-						-
10/26/1992	ENV PRO	5	ND	ND	-						-
04/21/1993	ENV PRO	60	ND	27	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	41	ND	9.1	-						-
03/31/1994	21st CEN	25	ND	ND	-						-
06/14/1994	21st CEN	3	ND	100	-						-
09/15/1994	21st CEN	ND	ND	61	-						-
05/25/1995	EMSL	2.7	ND	400	-						-
08/15/1995	EMSL	ND	ND	670	-						-
11/21/1995	EMSL	ND	46	360	-						-
02/20/1996	EMSL	6	43	250	-						-
06/13/1996	FMETL	0.7	ND	ND	-						-
09/27/1996	FMETL	6.2	ND	ND	-						-
04/11/1997	FMETL	1.8	ND	ND	3.15						V,Pb
08/28/1997	FMETL	ND	940	62	4.00						V,Pb
12/02/1997	FMETL	10	ND	188	3.10						V,S,P,M
03/04/1998	FMETL	ND	ND	102	2.48						V,S,P,M
06/19/1998	FMETL	ND	27.52	81.82	3.99						V,Pb
09/25/1998	FMETL	ND	ND	27.27	4.56						V,Pb
12/16/1998	FMETL	ND	19.38	20.54	4.25						V,Pb
02/24/1999	FMETL	1.0	ND	3.3	3.16						V,Pb
05/29/1999	FMETL	ND	ND	26.34	3.55						V,Pb
07/21/1999	FMETL	ND	ND	8.98	4.85						V,Pb
10/21/1999	FMETL	1.3	ND	13.08	3.93						V,Pb
02/14/2000	FMETL	1.22	ND	3.78	3.42						V,Pb
05/15/2000	FMETL	ND	ND	9.35	3.40						V,Pb
08/22/2000	FMETL	ND	ND	5.36	3.17						V,Pb
11/01/2000	FMETL	ND	ND	20.24	3.56						V,Pb
02/09/2001	FMETL	ND	ND	1.96	2.50						V,Pb
05/08/2001	FMETL	0.96	ND	11.95	3.40						V, Pb
08/15/2001	FMETL	ND	67.42	17.8	4.30						V, Pb
11/09/2001	FMETL	ND	ND	5.51	4.30						V, Pb
02/26/2002	FMETL	ND	31.59	4.14	3.29						V, Pb
05/28/2002	FMETL	ND	ND	3.13	3.40						V,Pb
08/20/2002	FMETL	ND	ND	ND	4.03						V, Pb
10/29/2002	FMETL	ND	ND	2.37	2.98						V, Pb
02/26/2003	FMETL	ND	ND	3.64	2.39						V, Pb
06/11/2003	FMETL	ND	ND	ND	2.55						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
07/22/2003	FMETL	0.983	ND	6.82	3.81						V, Pb
10/07/2003	FMETL	ND	13.51	4.56	3.52						V, Pb
01/16/2004	FMETL	ND	ND	ND	2.95						V, Pb
06/22/2004	FMETL	ND	ND	15.45	3.75						V, Pb
08/12/2004	FMETL	ND	66.83	9.66	3.61						V, Pb
11/24/2004	FMETL	ND	ND	ND	2.98						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

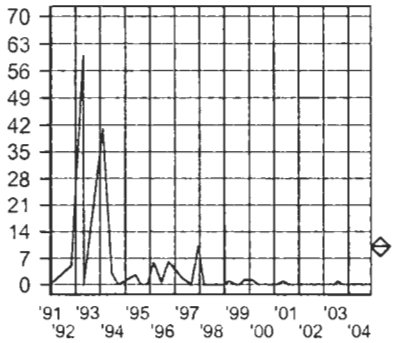
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

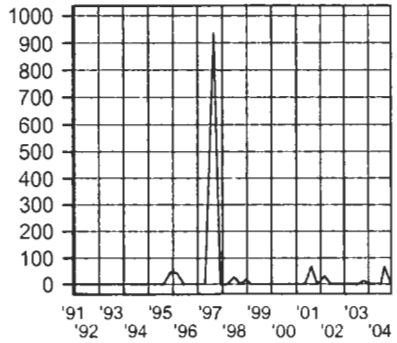
Source 3 of 7 (cont.)

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

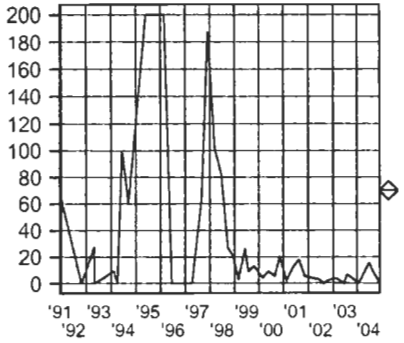
LEAD
(ug/L)



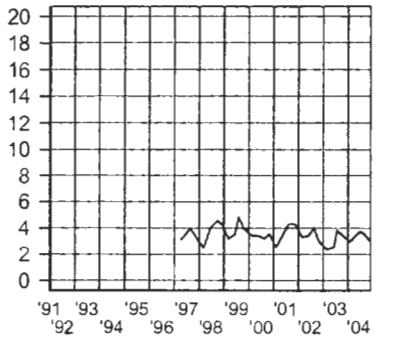
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	EMSL	5	-								-
10/26/1992	ENV PRO	ND	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	ND	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	2.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	1.8	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.3	2.55								V,Pb
08/28/1997	FMETL	ND	3.20								V,Pb
12/02/1997	FMETL	9.0	2.45								V,S,P,M
03/04/1998	FMETL	ND	2.11								V,S,P,M
06/19/1998	FMETL	ND	2.33								V,Pb
09/24/1998	FMETL	ND	3.55								V,Pb
12/12/1998	FMETL	ND	3.11								V,Pb
02/24/1999	FMETL	ND	2.44								V,Pb
05/29/1999	FMETL	ND	2.76								V,Pb
07/21/1999	FMETL	ND	3.98								V,Pb
10/21/1999	FMETL	1.2	2.37								V,Pb
02/14/2000	FMETL	1.4	1.69								V,Pb
05/15/2000	FMETL	ND	2.65								V,Pb
05/15/2000D	FMETL	ND	2.65								V,Pb
08/22/2000	FMETL	ND	2.49								V,Pb
08/22/2000D	FMETL	ND	2.49								V,Pb
11/01/2000	FMETL	ND	2.91								V,Pb
02/09/2001	FMETL	ND	1.99								V,Pb
02/09/2001D	FMETL	ND	1.99								V,Pb
05/08/2001	FMETL	ND	2.68								V, Pb
05/08/2001D	FMETL	1.26	2.68								V, Pb
08/15/2001	FMETL	2.2	3.50								V, Pb
11/09/2001	FMETL	ND	3.65								V, Pb
02/26/2002	FMETL	ND	2.71								V, Pb
05/28/2002	FMETL	ND	2.83								V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/20/2002	FMETL	ND	3.96								V, Pb
10/29/2002	FMETL	ND	2.26								V, Pb
02/26/2003	FMETL	ND	1.84								V, Pb
06/11/2003	FMETL	2.26	2.15								V, Pb
07/22/2003	FMETL	1.22	2.62								V, Pb
10/07/2003	FMETL	ND	2.75								V, Pb
01/16/2004	FMETL	ND	2.37								V, Pb
06/22/2004	FMETL	ND	3.15								V, Pb
08/12/2004	FMETL	ND	2.80								V, Pb
11/24/2004	FMETL	ND	2.08								V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/24/2004

NOTES:

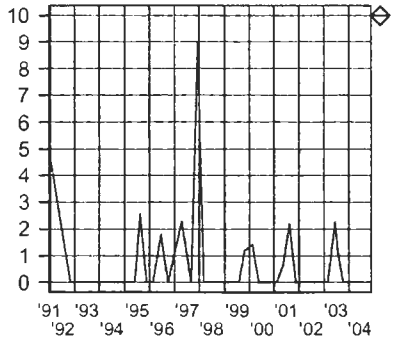
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

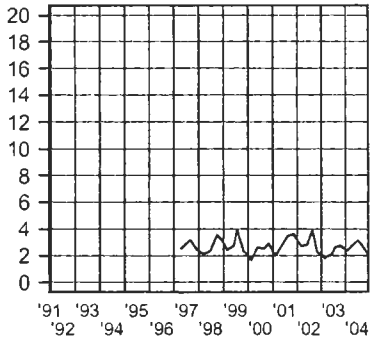
Source 4 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
05/25/1995	EMSL	4.0	-								-
08/15/1995	EMSL	ND	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.7	7.20								V,Pb
08/28/1997	FMETL	ND	7.50								V,Pb
12/02/1997	FMETL	7.0	7.20								V,S,P,M
03/04/1998	FMETL	ND	7.30								V,S,P,M
06/01/1998	FMETL	ND	7.55								V,Pb
09/25/1998	FMETL	ND	7.59								V,Pb
12/16/1998	FMETL	ND	7.34								V,Pb
02/24/1999	FMETL	ND	8.16								V,Pb
06/08/1999	FMETL	ND	7.33								V,Pb
07/21/1999	FMETL	ND	7.87								V,Pb
10/21/1999	FMETL	4.4	8.57								V,Pb
02/14/2000	FMETL	1.21	5.75								V,Pb
05/15/2000	FMETL	ND	6.92								V,Pb
08/22/2000	FMETL	1.6	6.73								V,Pb
11/01/2000	FMETL	2.4	7.16								V,Pb
02/09/2001	FMETL	ND	5.26								V,Pb
05/08/2001	FMETL	4.53	7.47								V, Pb
08/15/2001	FMETL	8.4	7.70								V, Pb
11/09/2001	FMETL	9.7	7.83								V, Pb
02/26/2002	FMETL	6.5	6.95								V, Pb
05/28/2002	FMETL	3.60	5.91								V,Pb
08/20/2002	FMETL	32.3	8.03								V, Pb
10/29/2002	FMETL	49.5	5.95								V, Pb
02/26/2003	FMETL	3.57	5.37								V, Pb
06/11/2003	FMETL	43.9	5.78								V, Pb
07/22/2003	FMETL	22.1	7.30								V, Pb
10/07/2003	FMETL	22.1	7.17								V, Pb
01/16/2004	FMETL	ND	6.93								V, Pb
06/22/2004	FMETL	ND	5.79								V, Pb
08/12/2004	FMETL	ND	5.23								V, Pb
11/24/2004	FMETL	22.4	6.44								V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/24/2004

NOTES:

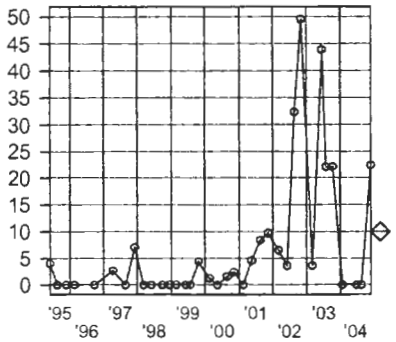
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

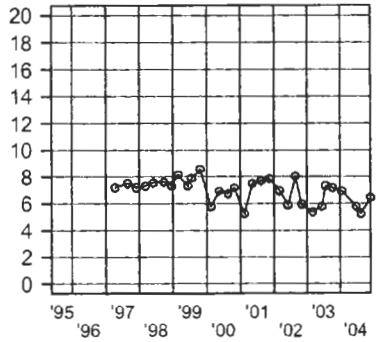
Source 5 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/22/2000	FMETL	ND	7.06								V,Pb
11/01/2000	FMETL	ND	7.26								V,Pb
02/09/2001	FMETL	ND	6.44								V,Pb
05/08/2001	FMETL	1.48	7.42								V, Pb
08/15/2001	FMETL	ND	8.15								V, Pb
11/09/2001	FMETL	ND	8.09								V, Pb
02/26/2002	FMETL	ND	6.82								V, Pb
05/28/2002	FMETL	ND	7.29								V,Pb
08/20/2002	FMETL	1.32	8.78								V, Pb
10/29/2002	FMETL	ND	6.62								V, Pb
02/26/2003	FMETL	ND	6.24								V, Pb
06/11/2003	FMETL	ND	6.50								V, Pb
07/22/2003	FMETL	ND	7.61								V, Pb
10/07/2003	FMETL	ND	7.31								V, Pb
01/16/2004	FMETL	ND	6.65								V, Pb
06/22/2004	FMETL	ND	7.67								V, Pb
08/12/2004	FMETL	ND	7.46								V, Pb
11/24/2004	FMETL	ND	6.45								V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 11/24/2004

NOTES:

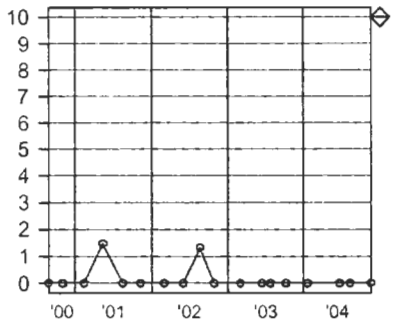
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

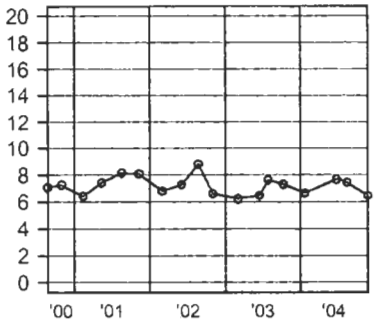
Source 6 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

12-27-2004 \\Gar045\ENVR_Data\MtechData\2567\2567.WSF

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/22/2000	FMETL	ND	6.65								V,Pb
11/02/2000	FMETL	ND	6.80								V,Pb
02/09/2001	FMETL	ND	6.23								V,Pb
05/08/2001	FMETL	ND	7.02								V, Pb
08/15/2001	FMETL	ND	7.75								V, Pb
11/09/2001	FMETL	ND	7.56								V, Pb
02/26/2002	FMETL	ND	6.71								V, Pb
05/28/2002	FMETL	ND	6.83								V,Pb
08/20/2002	FMETL	ND	8.28								V, Pb
10/29/2002	FMETL	ND	6.40								V, Pb
02/26/2003	FMETL	ND	6.07								V, Pb
06/11/2003	FMETL	0.855	6.26								V, Pb
07/22/2003	FMETL	ND	7.19								V, Pb
10/07/2003	FMETL	ND	6.88								V, Pb
01/16/2004	FMETL	ND	6.37								V, Pb
06/22/2004	FMETL	ND	7.32								V, Pb
08/12/2004	FMETL	5.47	7.10								V, Pb
11/24/2004	FMETL	ND	6.17								V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 11/24/2004

NOTES:

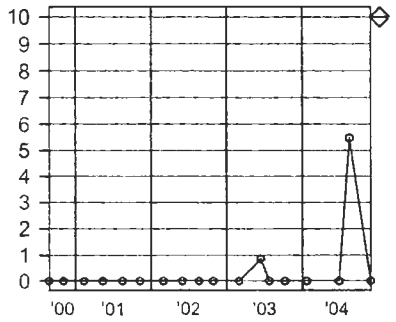
FORT MONMOUTH

GW MONITORING
. Bldg. 2567
Table / Graph A

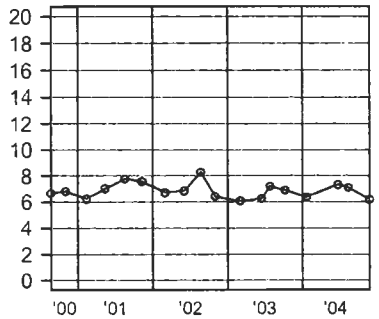
Source 7 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 11/24/2004

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

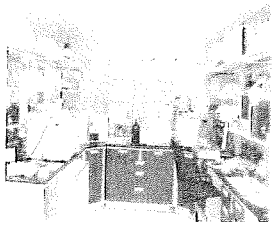
GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5008404	2567MW01	29-26925	02/11/05
5008405	2567MW02	29-26926	02/11/05
5008406	2567MW03	29-26947	02/11/05
5008407	2567MW04	29-26948	02/11/05
5008408	2567MW05	29-31783	02/11/05
5008409	2567MW06	29-42585	02/11/05
5008410	2567MW07	29-42586	02/11/05

NJDEP Laboratory Certification # 13461

3-23-05
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

SAMPLING

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone: #X26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 2567
1ST QTR 05

Samplers Name / Company: /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	LEAD							Remarks / Preservation Method
52984 01	Trip Blank	2/11/2005	8:30	AQ	2	X								
02	Field Blank	2/11/2005	10:25	AQ	3	X	X							
03	DUP.	2/11/2005	10:50	AQ	3	X	X							
04	2567MW01 *	2/11/2005	10:45	AQ	3	X	X							29-26925
05	2567MW02	2/11/2005	11:25	AQ	3	X	X							29-26926
06	2567MW03	2/11/2005	12:10	AQ	3	X	X							2926947
07	2567MW04	2/11/2005	11:10	AQ	3	X	X							2926947
08	2567MW05	2/11/2005	15:30	AQ	3	X	X							29-31783
09	2567MW06	2/11/2005	11:40	AQ	3	X	X							29-42585
10	2567MW07	2/11/2005	11:55	AQ	3	X	X							29-42586

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	2-11-05 15:50				
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

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.29 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.81 ft
(9.81) X .65 X 3 = 19.12
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: 09:16
pH 6.42 su — TEMP 9.21 °C
DISSOLVED O_2 0.84 mg/L — SPECIFIC CONDUCTIVITY 629.0 µs/cm

PURGE END TIME: 10:39
pH 6.42 su — TEMP 8.38 °C
DISSOLVED O_2 0.34 mg/L — SPECIFIC CONDUCTIVITY 957.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.42 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:45
pH 6.52 su — TEMP 8.40 °C
DISSOLVED O_2 0.97 mg/L — SPECIFIC CONDUCTIVITY 985.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.70 ft
DEPTH OF WELL: 12.20 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: 09:43
pH 6.28 su — TEMP 10.16 °C
DISSOLVED O_2 2.06 mg/L — SPECIFIC CONDUCTIVITY 259.0 µs/cm

PURGE END TIME: 11:06
pH 6.07 su — TEMP 10.31 °C
DISSOLVED O_2 2.85 mg/L — SPECIFIC CONDUCTIVITY 414.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.74 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:25
pH 6.16 su — TEMP 10.32 °C
DISSOLVED O_2 1.86 mg/L — SPECIFIC CONDUCTIVITY 412.0 µs/cm

SAMPLE END TIME: 11:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.45 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.05 ft
(10.05) X .65 X 3 = 19.59
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:29
pH 5.97 su
DISSOLVED O_2 2.14 mg/L
TEMP 9.81 °C
SPECIFIC CONDUCTIVITY 2404.0 µs/cm

PURGE END TIME: 11:56
pH 6.09 su
DISSOLVED O_2 1.01 mg/L
TEMP 9.48 °C
SPECIFIC CONDUCTIVITY 1850.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.54 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 12:10
pH 6.20 su
DISSOLVED O_2 -1.19 mg/L
TEMP 9.27 °C
SPECIFIC CONDUCTIVITY 1876.0 µs/cm

SAMPLE END TIME: 12:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.67 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.99 ft
(9.99) X .65 X 3 = 19.48
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:28
pH 6.50 su
DISSOLVED O_2 1.61 mg/L
TEMP 7.19 °C
SPECIFIC CONDUCTIVITY 407.0 µs/cm

PURGE END TIME: 10:55
pH 6.53 su
DISSOLVED O_2 1.42 mg/L
TEMP 7.33 °C
SPECIFIC CONDUCTIVITY 515.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.42 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:10
pH 5.79 su
DISSOLVED O_2 2.06 mg/L
TEMP 7.26 °C
SPECIFIC CONDUCTIVITY 490.0 µs/cm

SAMPLE END TIME: 11:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.79 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.96 ft
(8.96) X .65 X 3 = 17.47
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: 14:03
pH 6.76 su
DISSOLVED O_2 4.01 mg/L
TEMP 7.72 °C
SPECIFIC CONDUCTIVITY 584.0 µs/cm

PURGE END TIME: 15:21
pH 5.78 su
DISSOLVED O_2 3.77 mg/L
TEMP 7.21 °C
SPECIFIC CONDUCTIVITY 426.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.74 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:30
pH 5.87 su
DISSOLVED O_2 3.70 mg/L
TEMP 7.42 °C
SPECIFIC CONDUCTIVITY 392.0 µs/cm

SAMPLE END TIME: 15:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.11 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.63 ft
(9.63) X .65 X 3 = 18.77
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: 10:00
pH 5.83 su
DISSOLVED O_2 3.39 mg/L
TEMP 6.41 °C
SPECIFIC CONDUCTIVITY 257.0 µs/cm

PURGE END TIME: 11:23
pH 5.97 su
DISSOLVED O_2 3.06 mg/L
TEMP 6.92 °C
SPECIFIC CONDUCTIVITY 267.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 7.71 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:40
pH 5.51 su
DISSOLVED O_2 2.61 mg/L
TEMP 6.89 °C
SPECIFIC CONDUCTIVITY 262.0 µs/cm

SAMPLE END TIME: 11:42

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/11/05
WEATHER: Clear and cold
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.88 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.62 ft
(10.62) X .65 X 3 = 20.70
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:13
pH 5.76 su — TEMP 7.37 °C
DISSOLVED O_2 2.63 mg/L — SPECIFIC CONDUCTIVITY 162.0 µs/cm

PURGE END TIME: 11:44
pH 5.57 su — TEMP 8.54 °C
DISSOLVED O_2 1.44 mg/L — SPECIFIC CONDUCTIVITY 516.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.63 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 11:55
pH 5.83 su — TEMP 8.64 °C
DISSOLVED O_2 1.37 mg/L — SPECIFIC CONDUCTIVITY 510.0 µs/cm

SAMPLE END TIME: 11:57

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	**VB018682.D**	Sample Name	**MB 18Feb05**
Operator	**Skelton**	Field ID	**MB 18Feb05**
Date Acquired	**18 Feb 2005 12:30 pm**	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	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	2.00 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: **MB 18Feb05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 18Feb05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018682.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018688.D**	Sample Name	**5008401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**18 Feb 2005 4:43 pm**	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	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	2.00 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.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018688.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018689.D**	Sample Name	**5008402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**18 Feb 2005 5:24 pm**	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	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	2.00 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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018689.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018690.D**	Sample Name	**5008403**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**18 Feb 2005 6:04 pm**	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	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol	13.23	201899	104.00 ug/L	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	2.00 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: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018690.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018691.D**	Sample Name	**5008404**
Operator	**Skelton**	Field ID	**2567MW01**
Date Acquired	**18 Feb 2005 6:44 pm**	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	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol	13.22	249313	128.03 ug/L	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	2.00 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: **2567MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018691.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018692.D**	Sample Name	**5008405**
Operator	**Skelton**	Field ID	**2567MW02**
Date Acquired	**18 Feb 2005 7:25 pm**	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	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	2.00 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: **2567MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018692.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018693.D**	Sample Name	**5008406**
Operator	**Skelton**	Field ID	**2567MW03**
Date Acquired	**18 Feb 2005 8:05 pm**	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	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.47 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol	13.25	92513	51.21 ug/L	nle	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.82	213862	2.88 ug/L	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	2.00 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018693.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.71	5	J
2.	unknown	10.80	12	J
3. 000096-14-0	Pentane, 3-methyl-	11.70	5	JN
4. 000096-37-7	Cyclopentane, methyl-	14.51	13	JN
5. 000496-11-7	Indane	30.51	5	JN

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

Data File	**VB018694.D**	Sample Name	**5008407**
Operator	**Skelton**	Field ID	**2567MW04**
Date Acquired	**18 Feb 2005 8:46 pm**	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	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	2.00 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018694.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018695.D**	Sample Name	**5008408**
Operator	**Skelton**	Field ID	**2567MW05**
Date Acquired	**18 Feb 2005 9:26 pm**	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	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	2.00 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: **2567MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018695.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018696.D**	Sample Name	**5008409**
Operator	**Skelton**	Field ID	**2567MW06**
Date Acquired	**18 Feb 2005 10:07 pm**	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	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	2.00 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: **2567MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018696.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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	**VB018697.D**	Sample Name	**5008410**
Operator	**Skelton**	Field ID	**2567MW07**
Date Acquired	**18 Feb 2005 10:48 pm**	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	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	2.00 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50084 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5008410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB018697.D

Level: (low/med) LOW Date Received: 2/11/2005

% Moisture: not dec. Date Analyzed: 2/18/2005

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

LEAD

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

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

Lab ID #: 50084
Sample Received: 02/11/05
Analysis Start: 02/28/05
Analysis Completed: 02/28/05

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
5008402	Field Blank	ND	10.0	5.00
5008403	Dupe	ND	10.0	5.00
5008404	2567MW01	ND	10.0	5.00
5008405	2567MW02	ND	10.0	5.00
5008406	2567MW03	ND	10.0	5.00
5008407	2567MW04	ND	10.0	5.00
5008408	2567MW05	11.5	10.0	5.00
5008409	2567MW06	ND	10.0	5.00
5008410	2567MW07	ND	10.0	5.00
Method Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

LTM

	LAB	BENZENE	TERT-BUTYL ALCOHOL	MTBE	LEAD	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	1	NLE	70	10	-					-
12/10/1991	ENV PRO	2400	4400	2200	4	-					-
10/26/1992	ENV PRO	2800	5400	1200	ND	-					-
10/26/1992D	ENV PRO	3200	7000	1500	ND	-					-
04/21/1993	21st CEN	520	470	890	70	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	21	28	650	ND	-					-
03/31/1994	21st CEN	ND	22	10	ND	-					-
06/14/1994	21st CEN	ND	120	88	ND	-					-
09/15/1994	21st CEN	ND	600	56	ND	-					-
05/25/1995	EMSL	ND	930	110	ND	-					-
08/15/1995	EMSL	ND	930	29	3.3	-					-
11/21/1995	EMSL	ND	860	80	ND	-					-
02/20/1996	EMSL	ND	780	100	4	-					-
06/13/1996	FMETL	ND	ND	ND	1.2	-					-
09/27/1996	FMETL	ND	ND	ND	ND	-					-
04/11/1997	FMETL	ND	ND	ND	2.5	3.80					V,Pb
08/28/1997	FMETL	39.4	ND	240	1.4	4.80					V,Pb
12/02/1997	FMETL	ND	357	20.3	7.0	3.90					V,S,P,M
03/04/1998	FMETL	ND	560	37	ND	3.51					V,S,P,M
06/01/1998	FMETL	ND	95.63	24.23	0.5	4.06					V,Pb
09/24/1998	FMETL	ND	283	10.02	ND	5.21					V,Pb
12/09/1998	FMETL	ND	143.26	3.43	ND	4.90					V,Pb
02/24/1999	FMETL	ND	675	26.15	ND	3.75					V,Pb
05/29/1999	FMETL	ND	605.1	9.16	ND	4.20					V,Pb
07/21/1999	FMETL	ND	155.56	3.33	ND	5.48					V,Pb
10/21/1999	FMETL	ND	497.3	4.8	1.3	4.03					V,Pb
02/14/2000	FMETL	ND	992	8.2	1.31	3.31					V,Pb
05/15/2000	FMETL	ND	458.88	5.24	ND	4.04					V,Pb
08/22/2000	FMETL	ND	218.42	1.20	ND	3.87					V,Pb
11/01/2000	FMETL	ND	ND	15.04	ND	4.24					V,Pb
11/01/2000D	FMETL	ND	ND	15.33	ND	4.24					V,Pb
02/09/2001	FMETL	ND	1488.05	4.83	ND	3.30					V,Pb
05/08/2001	FMETL	ND	764.25	2.10	0.93	4.15					V, Pb
08/15/2001	FMETL	ND	248.74	ND	ND	4.95					V, Pb
08/15/2001D	FMETL	ND	457.64	1.54	ND	4.95					V, Pb
11/09/2001	FMETL	ND	ND	1.09	ND	5.11					V, Pb
02/26/2002	FMETL	ND	859.38	1.61	ND	3.95					V, Pb
05/28/2002	FMETL	ND	331.75	ND	ND	4.09					V, Pb
08/20/2002	FMETL	ND	441.16	ND	ND	5.45					V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	BENZENE	TERT-BUTYL ALCOHOL	MTBE	LEAD	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	1	NLE	70	10	-					-
10/29/2002	FMETL	ND	259.69	ND	1.22	3.62					V, Pb
02/26/2003	FMETL	ND	828.6	2.05	1.40	3.11					V, Pb
06/11/2003	FMETL	ND	186.42	1.78	ND	3.35					V, Pb
07/22/2003	FMETL	ND	205.86	1.93	ND	4.39					V, Pb
10/07/2003	FMETL	ND	175.48	ND	ND	4.23					V, Pb
01/16/2004	FMETL	ND	224.08	2.08	ND	3.60					V, Pb
06/22/2004	FMETL	ND	283.26	7.79	ND	4.51					V, Pb
08/12/2004	FMETL	ND	150.65	2.75	ND	4.11					V, Pb
11/24/2004	FMETL	ND	478.49	0.72	ND	3.54					V, Pb
02/11/2005	FMETL	ND	128.03	ND	ND	3.29					V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

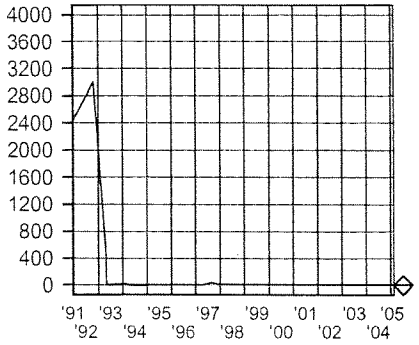
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

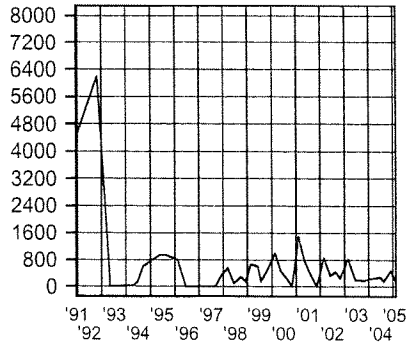
Source 1 of 7 (cont.)

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

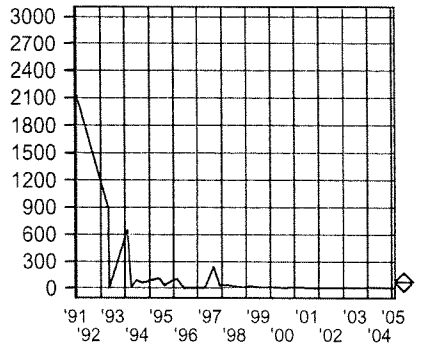
BENZENE
(ug/L)



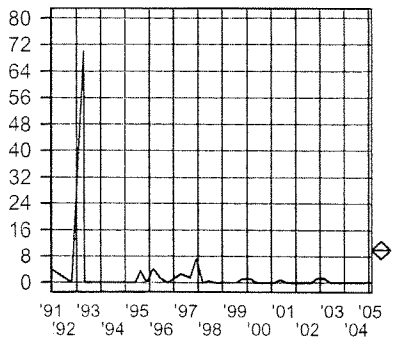
TERT-BUTYL ALCOHOL
(ug/L)



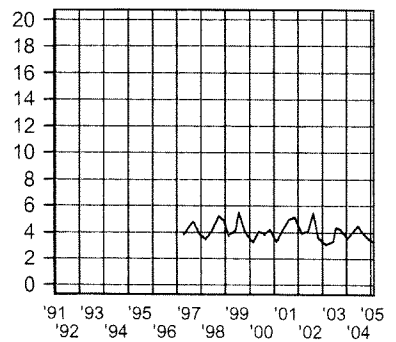
METHYL TERT-BUTYL ETHER
(ug/L)



LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	ENV PRO	ND	-								-
10/26/1992	ENV PRO	11	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	260	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	5.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	ND	-								-
09/27/1996	FMETL	1.2	-								-
04/11/1997	FMETL	10.7	3.40								V,Pb
08/28/1997	FMETL	ND	4.30								V,Pb
12/02/1997	FMETL	20	3.45								V,S,P,M
03/04/1998	FMETL	8.0	2.92								V,S,P,M
06/01/1998	FMETL	1.4	3.59								V,Pb
09/24/1998	FMETL	ND	4.73								V,Pb
12/09/1998	FMETL	ND	3.42								V,Pb
02/24/1999	FMETL	ND	3.38								V,Pb
05/29/1999	FMETL	ND	3.83								V,Pb
07/21/1999	FMETL	ND	5.03								V,Pb
10/21/1999	FMETL	1.2	3.65								V,Pb
02/14/2000	FMETL	1.49	3.00								V,Pb
05/15/2000	FMETL	ND	3.77								V,Pb
08/22/2000	FMETL	ND	3.51								V,Pb
11/01/2000	FMETL	ND	4.15								V,Pb
02/09/2001	FMETL	ND	2.75								V,Pb
05/08/2001	FMETL	1.02	3.95								V, Pb
08/15/2001	FMETL	ND	4.65								V, Pb
11/09/2001	FMETL	ND	4.81								V, Pb
11/09/2001D	FMETL	ND	4.81								V, Pb
02/26/2002	FMETL	ND	3.86								V, Pb
05/28/2002	FMETL	ND	3.83								V,Pb
08/20/2002	FMETL	ND	5.13								V, Pb
10/29/2002	FMETL	2.47	3.32								V, Pb
02/26/2003	FMETL	ND	2.71								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
06/11/2003	FMETL	ND	3.00								V, Pb
07/22/2003	FMETL	5.20	3.91								V, Pb
10/07/2003	FMETL	0.831	3.89								V, Pb
01/16/2004	FMETL	ND	3.42								V, Pb
06/22/2004	FMETL	ND	4.12								V, Pb
08/12/2004	FMETL	ND	3.85								V, Pb
11/24/2004	FMETL	ND	3.19								V, Pb
02/11/2005	FMETL	ND	2.70								V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

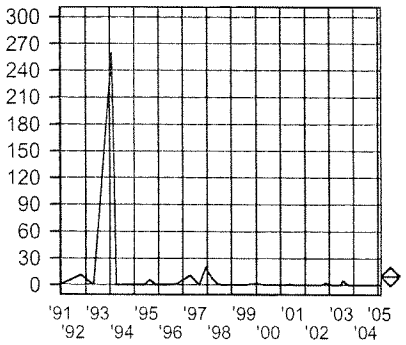
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

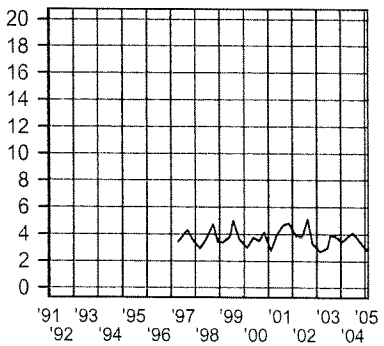
Source 2 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
12/10/1991	ENV PRO	ND	ND	69	-						-
10/26/1992	ENV PRO	5	ND	ND	-						-
04/21/1993	ENV PRO	60	ND	27	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	41	ND	9.1	-						-
03/31/1994	21st CEN	25	ND	ND	-						-
06/14/1994	21st CEN	3	ND	100	-						-
09/15/1994	21st CEN	ND	ND	61	-						-
05/25/1995	EMSL	2.7	ND	400	-						-
08/15/1995	EMSL	ND	ND	670	-						-
11/21/1995	EMSL	ND	46	360	-						-
02/20/1996	EMSL	6	43	250	-						-
06/13/1996	FMETL	0.7	ND	ND	-						-
09/27/1996	FMETL	6.2	ND	ND	-						-
04/11/1997	FMETL	1.8	ND	ND	3.15						V,Pb
08/28/1997	FMETL	ND	940	62	4.00						V,Pb
12/02/1997	FMETL	10	ND	188	3.10						V,S,P,M
03/04/1998	FMETL	ND	ND	102	2.48						V,S,P,M
06/19/1998	FMETL	ND	27.52	81.82	3.99						V,Pb
09/25/1998	FMETL	ND	ND	27.27	4.56						V,Pb
12/16/1998	FMETL	ND	19.38	20.54	4.25						V,Pb
02/24/1999	FMETL	1.0	ND	3.3	3.16						V,Pb
05/29/1999	FMETL	ND	ND	26.34	3.55						V,Pb
07/21/1999	FMETL	ND	ND	8.98	4.85						V,Pb
10/21/1999	FMETL	1.3	ND	13.08	3.93						V,Pb
02/14/2000	FMETL	1.22	ND	3.78	3.42						V,Pb
05/15/2000	FMETL	ND	ND	9.35	3.40						V,Pb
08/22/2000	FMETL	ND	ND	5.36	3.17						V,Pb
11/01/2000	FMETL	ND	ND	20.24	3.56						V,Pb
02/09/2001	FMETL	ND	ND	1.96	2.50						V,Pb
05/08/2001	FMETL	0.96	ND	11.95	3.40						V, Pb
08/15/2001	FMETL	ND	67.42	17.8	4.30						V, Pb
11/09/2001	FMETL	ND	ND	5.51	4.30						V, Pb
02/26/2002	FMETL	ND	31.59	4.14	3.29						V, Pb
05/28/2002	FMETL	ND	ND	3.13	3.40						V,Pb
08/20/2002	FMETL	ND	ND	ND	4.03						V, Pb
10/29/2002	FMETL	ND	ND	2.37	2.98						V, Pb
02/26/2003	FMETL	ND	ND	3.64	2.39						V, Pb
06/11/2003	FMETL	ND	ND	ND	2.55						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	10	NLE	70	-						-
07/22/2003	FMETL	0.983	ND	6.82	3.81						V, Pb
10/07/2003	FMETL	ND	13.51	4.56	3.52						V, Pb
01/16/2004	FMETL	ND	ND	ND	2.95						V, Pb
06/22/2004	FMETL	ND	ND	15.45	3.75						V, Pb
08/12/2004	FMETL	ND	66.83	9.66	3.61						V, Pb
11/24/2004	FMETL	ND	ND	ND	2.98						V, Pb
02/11/2005	FMETL	ND	51.21	2.88	2.45						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

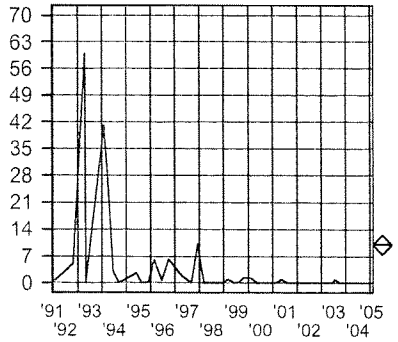
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

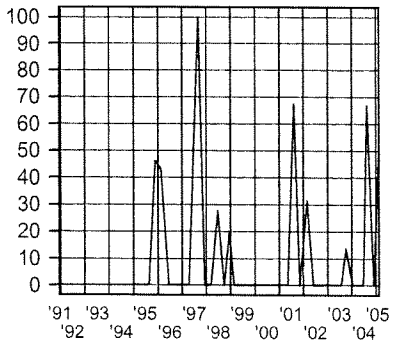
Source 3 of 7 (cont.)

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

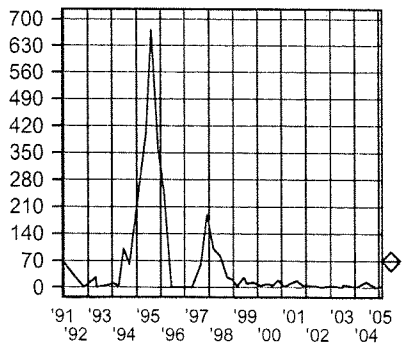
LEAD
(ug/L)



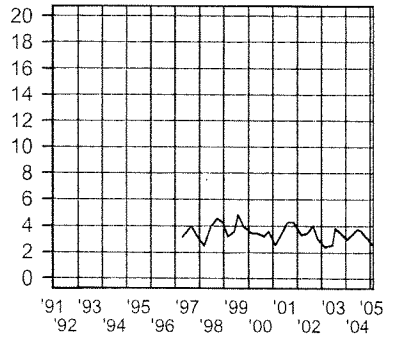
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	EMSL	5	-								-
10/26/1992	ENV PRO	ND	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	ND	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	2.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	1.8	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.3	2.55								V,Pb
08/28/1997	FMETL	ND	3.20								V,Pb
12/02/1997	FMETL	9.0	2.45								V,S,P,M
03/04/1998	FMETL	ND	2.11								V,S,P,M
06/19/1998	FMETL	ND	2.33								V,Pb
09/24/1998	FMETL	ND	3.55								V,Pb
12/12/1998	FMETL	ND	3.11								V,Pb
02/24/1999	FMETL	ND	2.44								V,Pb
05/29/1999	FMETL	ND	2.76								V,Pb
07/21/1999	FMETL	ND	3.98								V,Pb
10/21/1999	FMETL	1.2	2.37								V,Pb
02/14/2000	FMETL	1.4	1.69								V,Pb
05/15/2000	FMETL	ND	2.65								V,Pb
05/15/2000D	FMETL	ND	2.65								V,Pb
08/22/2000	FMETL	ND	2.49								V,Pb
08/22/2000D	FMETL	ND	2.49								V,Pb
11/01/2000	FMETL	ND	2.91								V,Pb
02/09/2001	FMETL	ND	1.99								V,Pb
02/09/2001D	FMETL	ND	1.99								V,Pb
05/08/2001	FMETL	ND	2.68								V, Pb
05/08/2001D	FMETL	1.26	2.68								V, Pb
08/15/2001	FMETL	2.2	3.50								V, Pb
11/09/2001	FMETL	ND	3.65								V, Pb
02/26/2002	FMETL	ND	2.71								V, Pb
05/28/2002	FMETL	ND	2.83								V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/20/2002	FMETL	ND	3.96								V, Pb
10/29/2002	FMETL	ND	2.26								V, Pb
02/26/2003	FMETL	ND	1.84								V, Pb
06/11/2003	FMETL	2.26	2.15								V, Pb
07/22/2003	FMETL	1.22	2.62								V, Pb
10/07/2003	FMETL	ND	2.75								V, Pb
01/16/2004	FMETL	ND	2.37								V, Pb
06/22/2004	FMETL	ND	3.15								V, Pb
08/12/2004	FMETL	ND	2.80								V, Pb
11/24/2004	FMETL	ND	2.08								V, Pb
02/11/2005	FMETL	ND	1.67								V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 02/11/2005

NOTES:

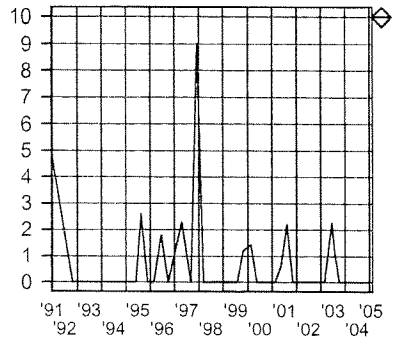
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

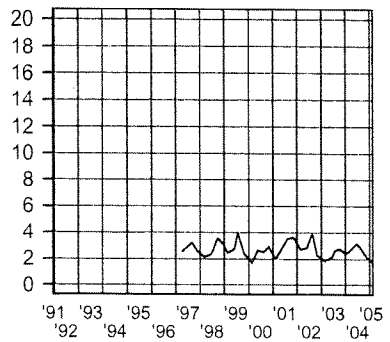
Source 4 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
05/25/1995	EMSL	4.0	-								-
08/15/1995	EMSL	ND	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.7	7.20								V,Pb
08/28/1997	FMETL	ND	7.50								V,Pb
12/02/1997	FMETL	7.0	7.20								V,S,P,M
03/04/1998	FMETL	ND	7.30								V,S,P,M
06/01/1998	FMETL	ND	7.55								V,Pb
09/25/1998	FMETL	ND	7.59								V,Pb
12/16/1998	FMETL	ND	7.34								V,Pb
02/24/1999	FMETL	ND	8.16								V,Pb
06/08/1999	FMETL	ND	7.33								V,Pb
07/21/1999	FMETL	ND	7.87								V,Pb
10/21/1999	FMETL	4.4	8.57								V,Pb
02/14/2000	FMETL	1.21	5.75								V,Pb
05/15/2000	FMETL	ND	6.92								V,Pb
08/22/2000	FMETL	1.6	6.73								V,Pb
11/01/2000	FMETL	2.4	7.16								V,Pb
02/09/2001	FMETL	ND	5.26								V,Pb
05/08/2001	FMETL	4.53	7.47								V, Pb
08/15/2001	FMETL	8.4	7.70								V, Pb
11/09/2001	FMETL	9.7	7.83								V, Pb
02/26/2002	FMETL	6.5	6.95								V, Pb
05/28/2002	FMETL	3.60	5.91								V,Pb
08/20/2002	FMETL	32.3	8.03								V, Pb
10/29/2002	FMETL	49.5	5.95								V, Pb
02/26/2003	FMETL	3.57	5.37								V, Pb
06/11/2003	FMETL	43.9	5.78								V, Pb
07/22/2003	FMETL	22.1	7.30								V, Pb
10/07/2003	FMETL	22.1	7.17								V, Pb
01/16/2004	FMETL	ND	6.93								V, Pb
06/22/2004	FMETL	ND	5.79								V, Pb
08/12/2004	FMETL	ND	5.23								V, Pb
11/24/2004	FMETL	22.4	6.44								V, Pb
02/11/2005	FMETL	11.5	5.79								V, P

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 02/11/2005

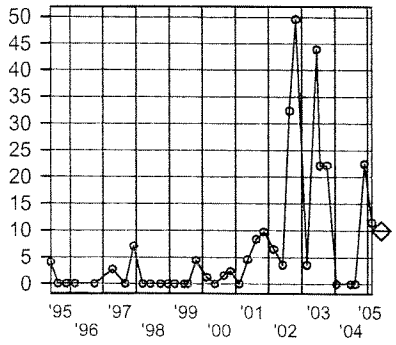
NOTES:

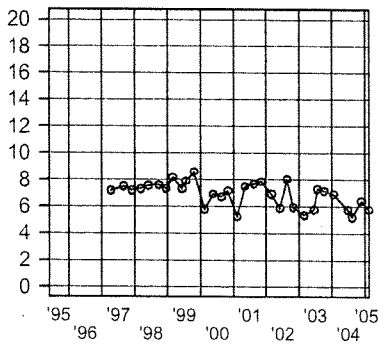
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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





SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/22/2000	FMETL	ND	7.06								V,Pb
11/01/2000	FMETL	ND	7.26								V,Pb
02/09/2001	FMETL	ND	6.44								V,Pb
05/08/2001	FMETL	1.48	7.42								V, Pb
08/15/2001	FMETL	ND	8.15								V, Pb
11/09/2001	FMETL	ND	8.09								V, Pb
02/26/2002	FMETL	ND	6.82								V, Pb
05/28/2002	FMETL	ND	7.29								V,Pb
08/20/2002	FMETL	1.32	8.78								V, Pb
10/29/2002	FMETL	ND	6.62								V, Pb
02/26/2003	FMETL	ND	6.24								V, Pb
06/11/2003	FMETL	ND	6.50								V, Pb
07/22/2003	FMETL	ND	7.61								V, Pb
10/07/2003	FMETL	ND	7.31								V, Pb
01/16/2004	FMETL	ND	6.65								V, Pb
06/22/2004	FMETL	ND	7.67								V, Pb
08/12/2004	FMETL	ND	7.46								V, Pb
11/24/2004	FMETL	ND	6.45								V, Pb
02/11/2005	FMETL	ND	6.11								V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 02/11/2005

NOTES:

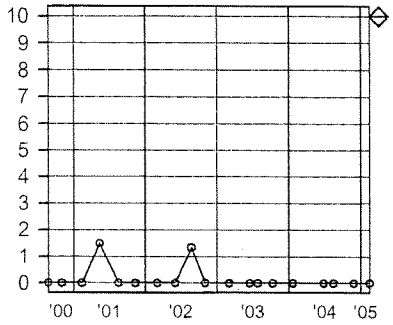
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

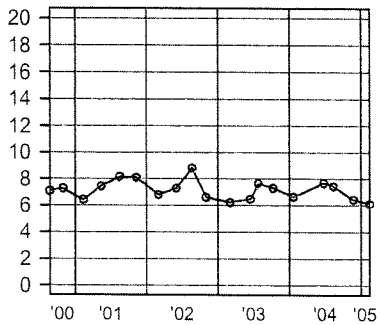
Source 6 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

03-23-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	MTBE	Depth to Water							NOTES
Units:	-	ug/L	ug/L	Feet							-
NJDEP Criteria:	-	10	70	-							-
08/22/2000	FMETL	ND	ND	6.65							V,Pb
11/02/2000	FMETL	ND	ND	6.80							V,Pb
02/09/2001	FMETL	ND	ND	6.23							V,Pb
05/08/2001	FMETL	ND	ND	7.02							V, Pb
08/15/2001	FMETL	ND	ND	7.75							V, Pb
11/09/2001	FMETL	ND	ND	7.56							V, Pb
02/26/2002	FMETL	ND	ND	6.71							V, Pb
05/28/2002	FMETL	ND	ND	6.83							V,Pb
08/20/2002	FMETL	ND	ND	8.28							V, Pb
10/29/2002	FMETL	ND	ND	6.40							V, Pb
02/26/2003	FMETL	ND	ND	6.07							V, Pb
06/11/2003	FMETL	0.855	ND	6.26							V, Pb
07/22/2003	FMETL	ND	ND	7.19							V, Pb
10/07/2003	FMETL	ND	ND	6.88							V, Pb
01/16/2004	FMETL	ND	ND	6.37							V, Pb
06/22/2004	FMETL	ND	2.98	7.32							V, Pb
08/12/2004	FMETL	5.47	2.51	7.10							V, Pb
11/24/2004	FMETL	ND	ND	6.17							V, Pb
02/11/2005	FMETL	ND	ND	5.88							V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 02/11/2005

NOTES:

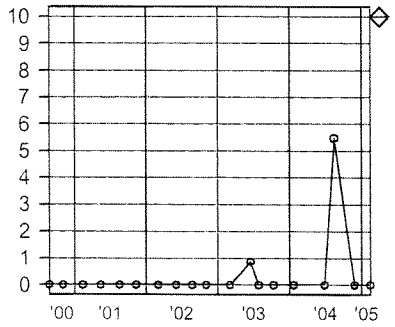
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

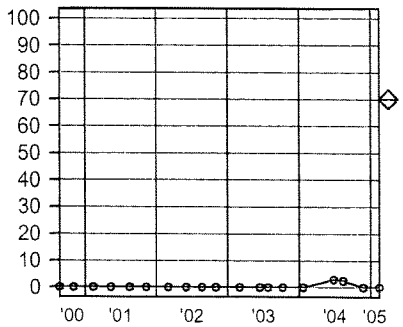
Source 7 of 7

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

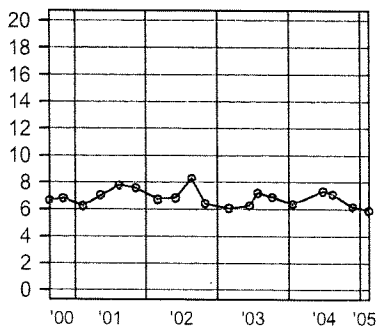
LEAD
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 02/11/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5024404	2567MW01	29-26925	05/06/05
5024405	2567MW02	29-26926	05/06/05
5024406	2567MW03	29-26947	05/06/05
5024407	2567MW04	29-26948	05/06/05
5024604	2567MW05	29-31783	05/09/05
5024408	2567MW06	29-42585	05/06/05
5024409	2567MW07	29-42586	05/06/05

NJDEP Laboratory Certification # 13461

6-8-05

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

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: 2567
2nd QTR 05

Samplers Name / Company: Walter Funk/TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	LEAD							Comments: Remarks / Preservation Method
57[illegible].01	Trip Blank	5-6-05	5:10	AQ	2	X								
.02	Field Blank	5-6-05	14:20	AQ	3	X	X							
.03	DUP.	5-6-05	13:10	AQ	3	X	X							
.04	2567MW01	5-6-05	13:10	AQ	3	X	X							29-26925
.05	2567MW02	5-6-05	14:40	AQ	3	X	X							29-26926
.06	2567MW03	5-6-05	15:20	AQ	3	X	X							2926947
.07	2567MW04	5-6-05	15:00	AQ	3	X	X							2926947
~~.08~~	~~2567MW05~~	~~5-6-05~~		~~AQ~~	~~3~~	~~X~~	~~X~~							~~29-31783~~
.09	2567MW06	5-6-05	15:30	AQ	3	X	X							29-42585
.10	2567MW07	5-6-05	15:40	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	5/6/05 14:10	[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:

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: 120486
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 2567
2ND QTR 05

Samplers Name / Company: Walter Funk /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA 415	PB							Remarks / Preservation Method
59246.01	TRIP BLANK	5-9-05	5:15	AQ	2	X								
.02	FIELD BLANK	5-9-05	10:30	AQ	3	X	X							
.03	DUP	5-9-05	10:50	AQ	3	X	X							
.04	#2567*MW#5	5-9-05	10:50	AQ	3	X	X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	5/9/05 11:07				
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.XLS3/24/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/06/05
WEATHER: Cloudy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.50 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.60 ft
(9.60) X .65 X 3 = 18.72
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: 13:34
pH 5.96 su — TEMP 12.58 °C
DISSOLVED O_2 0.17 mg/L — SPECIFIC CONDUCTIVITY 7259.0 µs/cm

PURGE END TIME: 14:57
pH 5.66 su — TEMP 12.99 °C
DISSOLVED O_2 0.17 mg/L — SPECIFIC CONDUCTIVITY 15393.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.95 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:10
pH 5.79 su — TEMP 12.94 °C
DISSOLVED O_2 0.13 mg/L — SPECIFIC CONDUCTIVITY 15427.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/06/05
WEATHER: Cloudy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.09 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.11 ft
(9.11) X .65 X 3 = 17.76
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: 13:17
pH 6.35 su — TEMP 13.50 °C
DISSOLVED O_2 0.44 mg/L — SPECIFIC CONDUCTIVITY 4275.0 µs/cm

PURGE END TIME: 14:35
pH 5.86 su — TEMP 13.74 °C
DISSOLVED O_2 0.24 mg/L — SPECIFIC CONDUCTIVITY 3938.0 µs/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: 18 gal

SAMPLE START TIME: 14:40
pH 5.77 su — TEMP 13.59 °C
DISSOLVED O_2 0.25 mg/L — SPECIFIC CONDUCTIVITY 4012.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/06/05
WEATHER: Cloudy and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.77 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.73 ft
(9.73) X .65 X 3 = 18.97
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:42
pH 6.24 su — TEMP 13.27 °C
DISSOLVED O_2 0.17 mg/L — SPECIFIC CONDUCTIVITY 12042.0 µs/cm

PURGE END TIME: 15:05
pH 5.78 su — TEMP 13.59 °C
DISSOLVED O_2 0.19 mg/L — SPECIFIC CONDUCTIVITY 19648.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.09 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:20
pH 5.71 su — TEMP 13.58 °C
DISSOLVED O_2 0.12 mg/L — SPECIFIC CONDUCTIVITY 19252.0 µs/cm

SAMPLE END TIME: 13:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/06/05
WEATHER: Cloudy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.09 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.57 ft
(9.57) X .65 X 3 = 18.66
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:26
pH 6.22 su — TEMP 11.28 °C
DISSOLVED O_2 0.23 mg/L — SPECIFIC CONDUCTIVITY 2264.0 µs/cm

PURGE END TIME: 14:53
pH 5.68 su — TEMP 11.49 °C
DISSOLVED O_2 0.15 mg/L — SPECIFIC CONDUCTIVITY 6811.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.00 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:00
pH 5.15 su — TEMP 11.33 °C
DISSOLVED O_2 0.13 mg/L — SPECIFIC CONDUCTIVITY 6465.0 µs/cm

SAMPLE END TIME: 13:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/09/05
WEATHER: Clear and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.56 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.19 ft
(8.19) X .65 X 3 = 15.97
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: 09:43
pH 6.38 su — TEMP 10.53 °C
DISSOLVED O_2 0.23 mg/L — SPECIFIC CONDUCTIVITY 2356.0 µs/cm

PURGE END TIME: 10:44
pH 5.94 su — TEMP 10.32 °C
DISSOLVED O_2 0.07 mg/L — SPECIFIC CONDUCTIVITY 2077.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 14.05 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:50
pH 6.07 su — TEMP 10.25 °C
DISSOLVED O_2 0.06 mg/L — SPECIFIC CONDUCTIVITY 2027.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/06/05
WEATHER: Cloudy and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.61 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.13 ft
(9.13) X .65 X 3 = 17.80
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: 13:52
pH 5.66 su — TEMP 9.59 °C
DISSOLVED O_2 0.52 mg/L — SPECIFIC CONDUCTIVITY 1419.0 µs/cm

PURGE END TIME: 15:10
pH 5.77 su — TEMP 9.47 °C
DISSOLVED O_2 0.98 mg/L — SPECIFIC CONDUCTIVITY 1688.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.51 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:30
pH 5.81 su — TEMP 9.42 °C
DISSOLVED O_2 0.41 mg/L — SPECIFIC CONDUCTIVITY 1573.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/06/05
WEATHER: Cloudy and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.30 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.20 ft
(10.20) X .65 X 3 = 19.89
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:02
pH 5.61 su TEMP 10.86 °C
DISSOLVED O_2 0.21 mg/L SPECIFIC CONDUCTIVITY 1687.0 µs/cm

PURGE END TIME: 15:29
pH 5.15 su TEMP 10.62 °C
DISSOLVED O_2 0.25 mg/L SPECIFIC CONDUCTIVITY 6260.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.02 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 15:40
pH 5.21 su TEMP 10.64 °C
DISSOLVED O_2 0.23 mg/L SPECIFIC CONDUCTIVITY 6610.0 µs/cm

SAMPLE END TIME: 15:40

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	VB019323.D	Sample Name	MB 16May05
Operator	Skelton	Field ID	MB 16May05
Date Acquired	16 May 2005 2:55 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 16May05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50246 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 16May05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019323.D

Level: (low/med) LOW Date Received: 5/9/2005

% Moisture: not dec. Date Analyzed: 5/16/2005

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	VB019357.D	Sample Name	MB 18May05
Operator	Skelton	Field ID	MB 18May05
Date Acquired	18 May 2005 7:07 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 18May05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 18May05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019357.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/18/2005

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	**VB019358.D**	Sample Name	**5024401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**18 May 2005 7:48 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	16.67	15354	0.39 ug/L	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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019358.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/18/2005

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	**VB019335.D**	Sample Name	**5024601**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**16 May 2005 11:30 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	16.66	11470	0.48 ug/L	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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50246 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019335.D

Level: (low/med) LOW Date Received: 5/9/2005

% Moisture: not dec. Date Analyzed: 5/16/2005

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	**VB019359.D**	Sample Name	**5024402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**18 May 2005 8:29 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019359.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/18/2005

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	**VB019336.D**	Sample Name	**5024602**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**17 May 2005 12:12 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	16.66	10898	0.51 ug/L	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

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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.: 50246 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019336.D

Level: (low/med) LOW Date Received: 5/9/2005

% Moisture: not dec. Date Analyzed: 5/17/2005

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	VB019360.D	Sample Name	5024403
Operator	Skelton	Field ID	Dupe
Date Acquired	18 May 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	13.35	281924	249.58 ug/L	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: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019360.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/18/2005

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	VB019337.D	Sample Name	5024603
Operator	Skelton	Field ID	Dupe
Date Acquired	17 May 2005 12:54 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: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50246 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019337.D

Level: (low/med) LOW Date Received: 5/9/2005

% Moisture: not dec. Date Analyzed: 5/17/2005

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	**VB019366.D**	Sample Name	**5024404**
Operator	**Skelton**	Field ID	**2567MW01**
Date Acquired	**19 May 2005 11:20 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	13.28	213725	200.10 ug/L	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: **2567MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019366.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/19/2005

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	VB019361.D	Sample Name	5024405
Operator	Skelton	Field ID	2567MW02
Date Acquired	19 May 2005 7:55 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	16.65	27083	0.72 ug/L	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: **2567MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019361.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/19/2005

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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.05	13	J

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

Data File	**VB019362.D**	Sample Name	**5024406**
Operator	**Skelton**	Field ID	**2567MW03**
Date Acquired	**19 May 2005 8:36 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	13.37	101474	90.78 ug/L	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.78	251199	8.64 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	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: **2567MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019362.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/19/2005

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: 4

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	6.69	4	J
2.	unknown hydrocarbon	10.80	4	J
3.	unknown hydrocarbon	14.51	4	J
4. 000496-11-7	Indane	30.51	5	JN

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

Data File	VB019363.D	Sample Name	5024407
Operator	Skelton	Field ID	2567MW04
Date Acquired	19 May 2005 9:17 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019363.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/19/2005

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	**VB019338.D**	Sample Name	**5024604**
Operator	**Skelton**	Field ID	**2567MW#5**
Date Acquired	**17 May 2005 1:35 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#5**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50246 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019338.D

Level: (low/med) LOW Date Received: 5/9/2005

% Moisture: not dec. Date Analyzed: 5/17/2005

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	VB019364.D	Sample Name	5024408
Operator	Skelton	Field ID	2567MW06
Date Acquired	19 May 2005 9:58 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019364.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/19/2005

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	**VB019365.D**	Sample Name	**5024409**
Operator	**Skelton**	Field ID	**2567MW07**
Date Acquired	**19 May 2005 10:39 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: **2567MW07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50244 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5024409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB019365.D

Level: (low/med) LOW Date Received: 5/3/2005

% Moisture: not dec. Date Analyzed: 5/19/2005

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

LEAD

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

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

Lab ID #: 50244
Sample Received: 05/06/05
Analysis Start: 05/18/05
Analysis Completed: 05/18/05

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
5024402	Field Blank	ND	10.0	5.00
5024403	Dupe	ND	10.0	5.00
5024404	2567MW01	ND	10.0	5.00
5024405	2567MW02	ND	10.0	5.00
5024406	2567MW03	ND	10.0	5.00
5024407	2567MW04	ND	10.0	5.00
5024408	2567MW06	22.4	10.0	5.00
5024409	2567MW07	ND	10.0	5.00
Method Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note.

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

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

Lab ID #: 50246
Sample Received: 05/09/05
Analysis Start: 05/18/05
Analysis Completed: 05/18/05

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
5024602	Field Blank	ND	10.0	5.00
5024603	Dupe	34.5	10.0	5.00
5024604	2567MW05	27.9	10.0	5.00
Method Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note.

LTM

	LAB	TERT-BUTYL ALCOHOL	MTBE	LEAD	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	NLE	70	10	-						-
12/10/1991	ENV PRO	4400	2200	4	-						-
10/26/1992	ENV PRO	5400	1200	ND	-						-
10/26/1992D	ENV PRO	7000	1500	ND	-						-
04/21/1993	21st CEN	470	890	70	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	28	650	ND	-						-
03/31/1994	21st CEN	22	10	ND	-						-
06/14/1994	21st CEN	120	88	ND	-						-
09/15/1994	21st CEN	600	56	ND	-						-
05/25/1995	EMSL	930	110	ND	-						-
08/15/1995	EMSL	930	29	3.3	-						-
11/21/1995	EMSL	860	80	ND	-						-
02/20/1996	EMSL	780	100	4	-						-
06/13/1996	FMETL	ND	ND	1.2	-						-
09/27/1996	FMETL	ND	ND	ND	-						-
04/11/1997	FMETL	ND	ND	2.5	3.80						V,Pb
08/28/1997	FMETL	ND	240	1.4	4.80						V,Pb
12/02/1997	FMETL	357	20.3	7.0	3.90						V,S,P,M
03/04/1998	FMETL	560	37	ND	3.51						V,S,P,M
06/01/1998	FMETL	95.63	24.23	0.5	4.06						V,Pb
09/24/1998	FMETL	283	10.02	ND	5.21						V,Pb
12/09/1998	FMETL	143.26	3.43	ND	4.90						V,Pb
02/24/1999	FMETL	675	26.15	ND	3.75						V,Pb
05/29/1999	FMETL	605.1	9.16	ND	4.20						V,Pb
07/21/1999	FMETL	155.56	3.33	ND	5.48						V,Pb
10/21/1999	FMETL	497.3	4.8	1.3	4.03						V,Pb
02/14/2000	FMETL	992	8.2	1.31	3.31						V,Pb
05/15/2000	FMETL	458.88	5.24	ND	4.04						V,Pb
08/22/2000	FMETL	218.42	1.20	ND	3.87						V,Pb
11/01/2000	FMETL	ND	15.04	ND	4.24						V,Pb
11/01/2000D	FMETL	ND	15.33	ND	4.24						V,Pb
02/09/2001	FMETL	1488.05	4.83	ND	3.30						V,Pb
05/08/2001	FMETL	764.25	2.10	0.93	4.15						V, Pb
08/15/2001	FMETL	248.74	ND	ND	4.95						V, Pb
08/15/2001D	FMETL	457.64	1.54	ND	4.95						V, Pb
11/09/2001	FMETL	ND	1.09	ND	5.11						V, Pb
02/26/2002	FMETL	859.38	1.61	ND	3.95						V, Pb
05/28/2002	FMETL	331.75	ND	ND	4.09						V, Pb
08/20/2002	FMETL	441.16	ND	ND	5.45						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	TERT-BUTYL ALCOHOL	MTBE	LEAD	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	NLE	70	10	-						-
10/29/2002	FMETL	259.69	ND	1.22	3.62						V, Pb
02/26/2003	FMETL	828.6	2.05	1.40	3.11						V, Pb
06/11/2003	FMETL	186.42	1.78	ND	3.35						V, Pb
07/22/2003	FMETL	205.86	1.93	ND	4.39						V, Pb
10/07/2003	FMETL	175.48	ND	ND	4.23						V, Pb
01/16/2004	FMETL	224.08	2.08	ND	3.60						V, Pb
06/22/2004	FMETL	283.26	7.79	ND	4.51						V, Pb
08/12/2004	FMETL	150.65	2.75	ND	4.11						V, Pb
11/24/2004	FMETL	478.49	0.72	ND	3.54						V, Pb
02/11/2005	FMETL	128.03	ND	ND	3.29						V, Pb
05/06/2005	FMETL	200.1	ND	ND	3.50						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

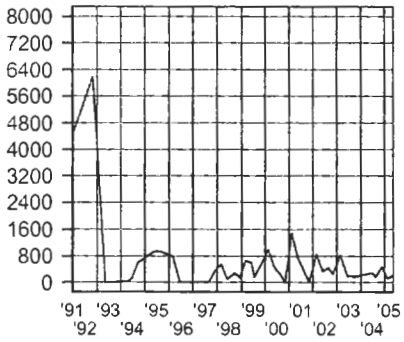
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

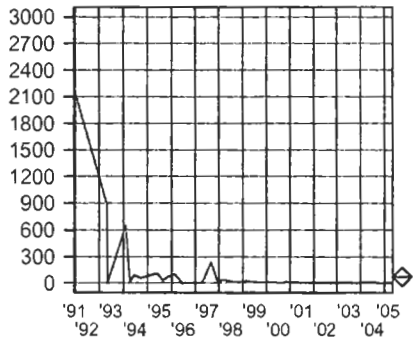
Source 1 of 7 (cont.)

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

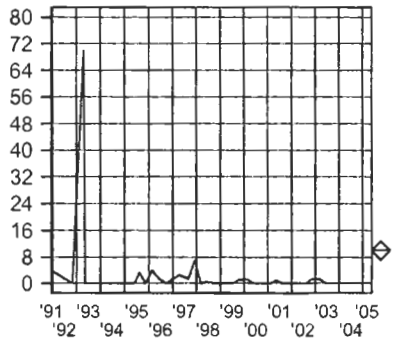
TERT-BUTYL ALCOHOL
(ug/L)



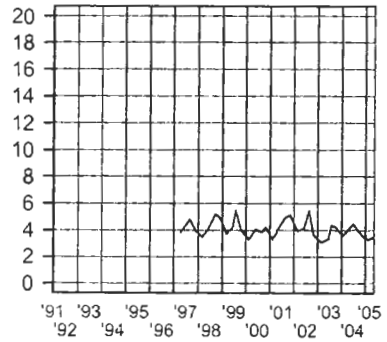
METHYL TERT-BUTYL ETHER
(ug/L)



LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 05/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

06-07-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	MTBE	Depth to Water							NOTES
Units:	-	ug/L	ug/L	Feet							-
NJDEP Criteria:	-	10	70	-							-
12/10/1991	ENV PRO	ND	ND	-							-
10/26/1992	ENV PRO	11	ND	-							-
04/21/1993	ENV PRO	ND	ND	-							-
04/28/1993	21st CEN	ND	ND	-							BNA Only
02/03/1994	21st CEN	260	7.0	-							-
03/31/1994	21st CEN	ND	11	-							-
06/14/1994	21st CEN	ND	11	-							-
09/15/1994	21st CEN	ND	4.1	-							-
05/25/1995	EMSL	ND	3.1	-							-
08/15/1995	EMSL	5.6	2.5	-							-
11/21/1995	EMSL	ND	1.6	-							-
02/20/1996	EMSL	ND	2	-							-
06/13/1996	FMETL	ND	ND	-							-
09/27/1996	FMETL	1.2	ND	-							-
04/11/1997	FMETL	10.7	ND	3.40							V,Pb
08/28/1997	FMETL	ND	ND	4.30							V,Pb
12/02/1997	FMETL	20	ND	3.45							V,S,P,M
03/04/1998	FMETL	8.0	ND	2.92							V,S,P,M
06/01/1998	FMETL	1.4	ND	3.59							V,Pb
09/24/1998	FMETL	ND	ND	4.73							V,Pb
12/09/1998	FMETL	ND	ND	3.42							V,Pb
02/24/1999	FMETL	ND	ND	3.38							V,Pb
05/29/1999	FMETL	ND	ND	3.83							V,Pb
07/21/1999	FMETL	ND	ND	5.03							V,Pb
10/21/1999	FMETL	1.2	ND	3.65							V,Pb
02/14/2000	FMETL	1.49	ND	3.00							V,Pb
05/15/2000	FMETL	ND	ND	3.77							V,Pb
08/22/2000	FMETL	ND	ND	3.51							V,Pb
11/01/2000	FMETL	ND	ND	4.15							V,Pb
02/09/2001	FMETL	ND	ND	2.75							V,Pb
05/08/2001	FMETL	1.02	ND	3.95							V, Pb
08/15/2001	FMETL	ND	ND	4.65							V, Pb
11/09/2001	FMETL	ND	ND	4.81							V, Pb
11/09/2001D	FMETL	ND	ND	4.81							V, Pb
02/26/2002	FMETL	ND	ND	3.86							V, Pb
05/28/2002	FMETL	ND	ND	3.83							V,Pb
08/20/2002	FMETL	ND	ND	5.13							V, Pb
10/29/2002	FMETL	2.47	ND	3.32							V, Pb
02/26/2003	FMETL	ND	ND	2.71							V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

	LAB	LEAD	MTBE	Depth to Water							NOTES
Units:	-	ug/L	ug/L	Feet							-
NJDEP Criteria:	-	10	70	-							-
06/11/2003	FMETL	ND	ND	3.00							V, Pb
07/22/2003	FMETL	5.20	ND	3.91							V, Pb
10/07/2003	FMETL	0.831	ND	3.89							V, Pb
01/16/2004	FMETL	ND	ND	3.42							V, Pb
06/22/2004	FMETL	ND	ND	4.12							V, Pb
08/12/2004	FMETL	ND	ND	3.85							V, Pb
11/24/2004	FMETL	ND	ND	3.19							V, Pb
02/11/2005	FMETL	ND	ND	2.70							V, Pb
05/06/2005	FMETL	ND	ND	3.09							V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

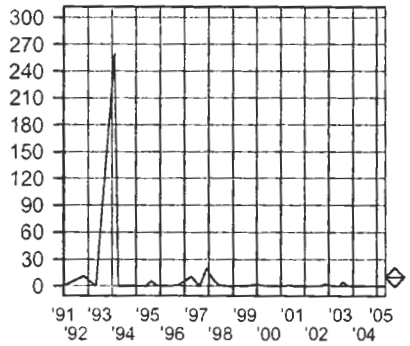
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

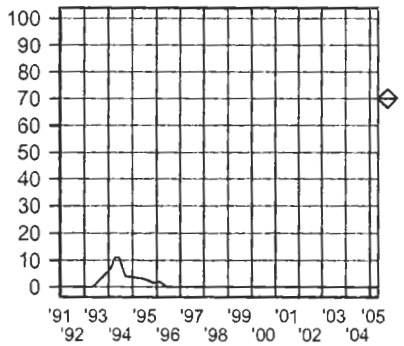
Source 2 of 7 (cont.)

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

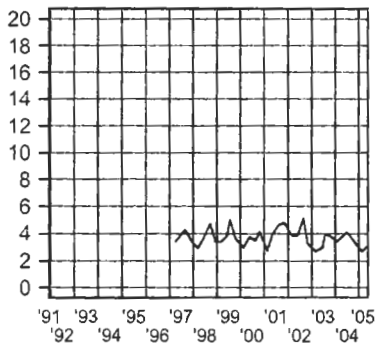
LEAD
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 05/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

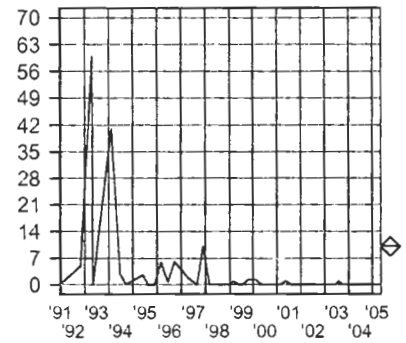
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

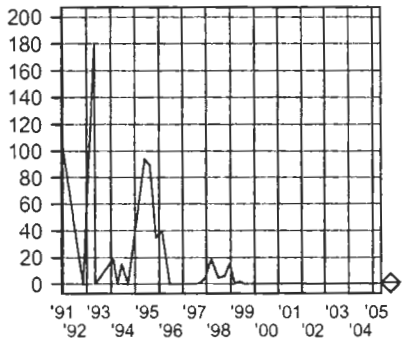
Source 3 of 7 (cont.)

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

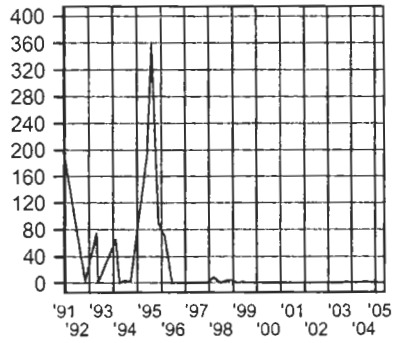
LEAD
(ug/L)



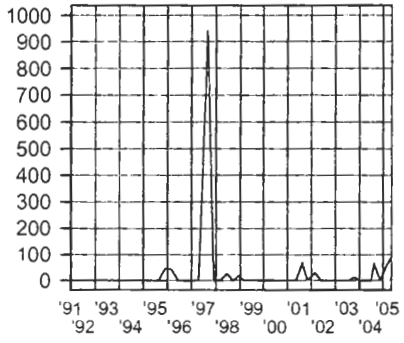
BENZENE
(ug/L)



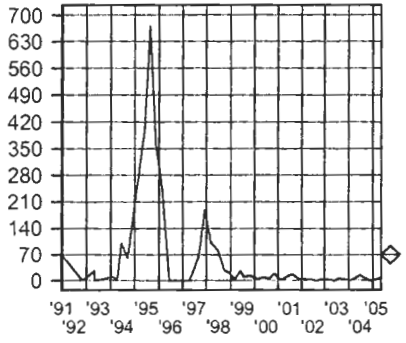
XYLENE
(ug/L)



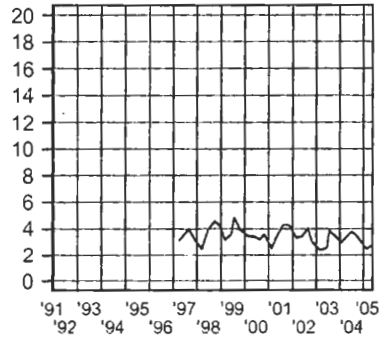
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 05/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

06-07-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
12/10/1991	EMSL	5	-								-
10/26/1992	ENV PRO	ND	-								-
04/21/1993	ENV PRO	ND	-								-
04/28/1993	21st CEN	ND	-								BNA Only
02/03/1994	21st CEN	ND	-								-
03/31/1994	21st CEN	ND	-								-
06/14/1994	21st CEN	ND	-								-
09/15/1994	21st CEN	ND	-								-
05/25/1995	EMSL	ND	-								-
08/15/1995	EMSL	2.6	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
06/13/1996	FMETL	1.8	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.3	2.55								V,Pb
08/28/1997	FMETL	ND	3.20								V,Pb
12/02/1997	FMETL	9.0	2.45								V,S,P,M
03/04/1998	FMETL	ND	2.11								V,S,P,M
06/19/1998	FMETL	ND	2.33								V,Pb
09/24/1998	FMETL	ND	3.55								V,Pb
12/12/1998	FMETL	ND	3.11								V,Pb
02/24/1999	FMETL	ND	2.44								V,Pb
05/29/1999	FMETL	ND	2.76								V,Pb
07/21/1999	FMETL	ND	3.98								V,Pb
10/21/1999	FMETL	1.2	2.37								V,Pb
02/14/2000	FMETL	1.4	1.69								V,Pb
05/15/2000	FMETL	ND	2.65								V,Pb
05/15/2000D	FMETL	ND	2.65								V,Pb
08/22/2000	FMETL	ND	2.49								V,Pb
08/22/2000D	FMETL	ND	2.49								V,Pb
11/01/2000	FMETL	ND	2.91								V,Pb
02/09/2001	FMETL	ND	1.99								V,Pb
02/09/2001D	FMETL	ND	1.99								V,Pb
05/08/2001	FMETL	ND	2.68								V, Pb
05/08/2001D	FMETL	1.26	2.68								V, Pb
08/15/2001	FMETL	2.2	3.50								V, Pb
11/09/2001	FMETL	ND	3.65								V, Pb
02/26/2002	FMETL	ND	2.71								V, Pb
05/28/2002	FMETL	ND	2.83								V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/20/2002	FMETL	ND	3.96								V, Pb
10/29/2002	FMETL	ND	2.26								V, Pb
02/26/2003	FMETL	ND	1.84								V, Pb
06/11/2003	FMETL	2.26	2.15								V, Pb
07/22/2003	FMETL	1.22	2.62								V, Pb
10/07/2003	FMETL	ND	2.75								V, Pb
01/16/2004	FMETL	ND	2.37								V, Pb
06/22/2004	FMETL	ND	3.15								V, Pb
08/12/2004	FMETL	ND	2.80								V, Pb
11/24/2004	FMETL	ND	2.08								V, Pb
02/11/2005	FMETL	ND	1.67								V, Pb
05/06/2005	FMETL	ND	2.09								V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 05/06/2005

NOTES:

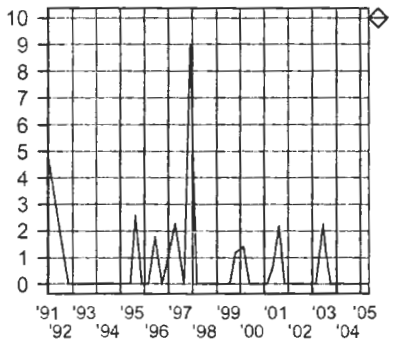
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

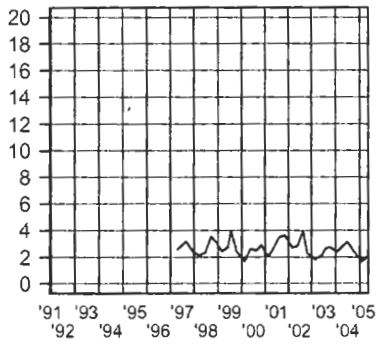
Source 4 of 7 (cont.)

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 05/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
05/25/1995	EMSL	4.0	-								-
08/15/1995	EMSL	ND	-								-
11/21/1995	EMSL	ND	-								-
02/20/1996	EMSL	ND	-								-
09/27/1996	FMETL	ND	-								-
04/11/1997	FMETL	2.7	7.20								V,Pb
08/28/1997	FMETL	ND	7.50								V,Pb
12/02/1997	FMETL	7.0	7.20								V,S,P,M
03/04/1998	FMETL	ND	7.30								V,S,P,M
06/01/1998	FMETL	ND	7.55								V,Pb
09/25/1998	FMETL	ND	7.59								V,Pb
12/16/1998	FMETL	ND	7.34								V,Pb
02/24/1999	FMETL	ND	8.16								V,Pb
06/08/1999	FMETL	ND	7.33								V,Pb
07/21/1999	FMETL	ND	7.87								V,Pb
10/21/1999	FMETL	4.4	8.57								V,Pb
02/14/2000	FMETL	1.21	5.75								V,Pb
05/15/2000	FMETL	ND	6.92								V,Pb
08/22/2000	FMETL	1.6	6.73								V,Pb
11/01/2000	FMETL	2.4	7.16								V,Pb
02/09/2001	FMETL	ND	5.26								V,Pb
05/08/2001	FMETL	4.53	7.47								V, Pb
08/15/2001	FMETL	8.4	7.70								V, Pb
11/09/2001	FMETL	9.7	7.83								V, Pb
02/26/2002	FMETL	6.5	6.95								V, Pb
05/28/2002	FMETL	3.60	5.91								V,Pb
08/20/2002	FMETL	32.3	8.03								V, Pb
10/29/2002	FMETL	49.5	5.95								V, Pb
02/26/2003	FMETL	3.57	5.37								V, Pb
06/11/2003	FMETL	43.9	5.78								V, Pb
07/22/2003	FMETL	22.1	7.30								V, Pb
10/07/2003	FMETL	22.1	7.17								V, Pb
01/16/2004	FMETL	ND	6.93								V, Pb
06/22/2004	FMETL	ND	5.79								V, Pb
08/12/2004	FMETL	ND	5.23								V, Pb
11/24/2004	FMETL	22.4	6.44								V, Pb
02/11/2005	FMETL	11.5	5.79								V, P
05/09/2005	FMETL	27.9	6.56								V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 05/09/2005

NOTES:

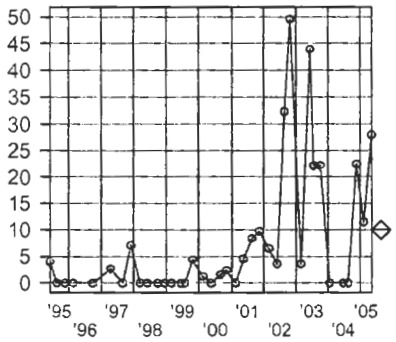
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

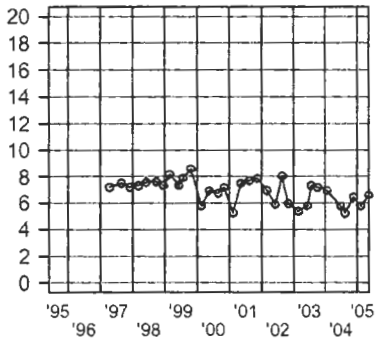
Source 5 of 7

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

LEAD
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 05/09/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	Depth to Water								NOTES
Units:	-	ug/L	Feet								-
NJDEP Criteria:	-	10	-								-
08/22/2000	FMETL	ND	7.06								V,Pb
11/01/2000	FMETL	ND	7.26								V,Pb
02/09/2001	FMETL	ND	6.44								V,Pb
05/08/2001	FMETL	1.48	7.42								V, Pb
08/15/2001	FMETL	ND	8.15								V, Pb
11/09/2001	FMETL	ND	8.09								V, Pb
02/26/2002	FMETL	ND	6.82								V, Pb
05/28/2002	FMETL	ND	7.29								V,Pb
08/20/2002	FMETL	1.32	8.78								V, Pb
10/29/2002	FMETL	ND	6.62								V, Pb
02/26/2003	FMETL	ND	6.24								V, Pb
06/11/2003	FMETL	ND	6.50								V, Pb
07/22/2003	FMETL	ND	7.61								V, Pb
10/07/2003	FMETL	ND	7.31								V, Pb
01/16/2004	FMETL	ND	6.65								V, Pb
06/22/2004	FMETL	ND	7.67								V, Pb
08/12/2004	FMETL	ND	7.46								V, Pb
11/24/2004	FMETL	ND	6.45								V, Pb
02/11/2005	FMETL	ND	6.11								V, Pb
05/06/2005	FMETL	22.4	6.61								V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 05/06/2005

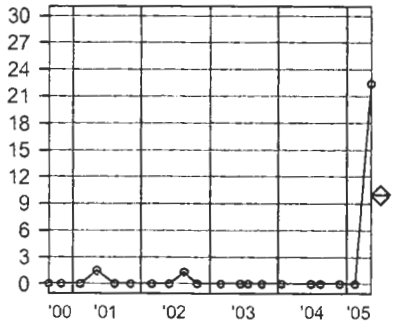
NOTES:

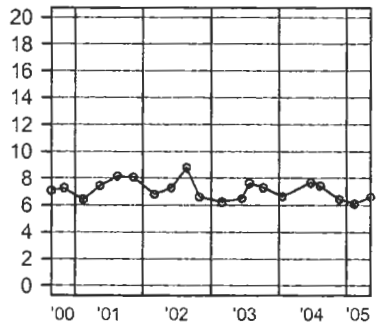
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7

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





SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 05/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

06-07-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	MTBE	Depth to Water							NOTES
Units:	-	ug/L	ug/L	Feet							-
NJDEP Criteria:	-	10	70	-							-
08/22/2000	FMETL	ND	ND	6.65							V,Pb
11/02/2000	FMETL	ND	ND	6.80							V,Pb
02/09/2001	FMETL	ND	ND	6.23							V,Pb
05/08/2001	FMETL	ND	ND	7.02							V, Pb
08/15/2001	FMETL	ND	ND	7.75							V, Pb
11/09/2001	FMETL	ND	ND	7.56							V, Pb
02/26/2002	FMETL	ND	ND	6.71							V, Pb
05/28/2002	FMETL	ND	ND	6.83							V,Pb
08/20/2002	FMETL	ND	ND	8.28							V, Pb
10/29/2002	FMETL	ND	ND	6.40							V, Pb
02/26/2003	FMETL	ND	ND	6.07							V, Pb
06/11/2003	FMETL	0.855	ND	6.26							V, Pb
07/22/2003	FMETL	ND	ND	7.19							V, Pb
10/07/2003	FMETL	ND	ND	6.88							V, Pb
01/16/2004	FMETL	ND	ND	6.37							V, Pb
06/22/2004	FMETL	ND	2.98	7.32							V, Pb
08/12/2004	FMETL	5.47	2.51	7.10							V, Pb
11/24/2004	FMETL	ND	ND	6.17							V, Pb
02/11/2005	FMETL	ND	ND	5.88							V, Pb
05/06/2005	FMETL	ND	ND	6.30							V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 05/06/2005

NOTES:

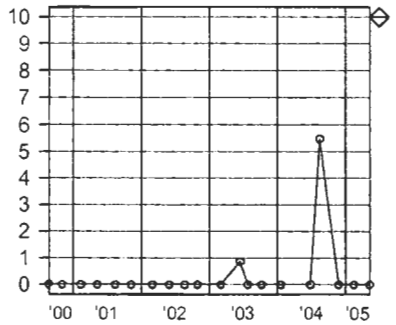
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

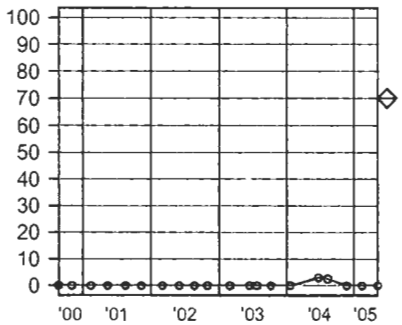
Source 7 of 7

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

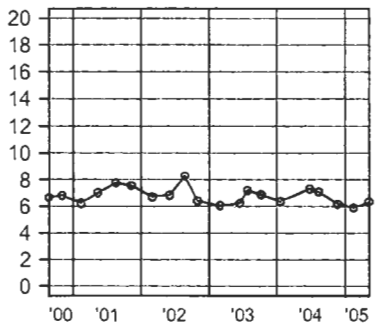
LEAD
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 05/06/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5040404	2567MW01	29-26925	08/16/05
5040405	2567MW02	29-26926	08/16/05
5040406	2567MW03	29-26947	08/16/05
5040407	2567MW04	29-26948	08/16/05
5040608	2567MW05	29-31783	08/16/05
5040409	2567MW06	29-42585	08/16/05
5040410	2567MW07	29-42586	08/16/05

NJDEP Laboratory Certification # 13461

9-15-05

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

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 Gaetheff
Phone: x20784
( )DERA ( )OMA ( )Other:_____

Project No:
Location: 2567
325 08-12-05

Samplers Name / Company: Walter Funk /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA + 15	PAH							Comments: Remarks / Preservation Method
504104.01	2567 TRIP BLANK	8-16-05	8:30	AQ	2	X								
.02	2567 FIELD BLANK	8-16-05	10:15	AQ	3	X	X							
.03	2567 DUP.	8-16-05	—	AQ	3	X	X							
.04	2567 MW#1	8-16-05	10:45	AQ	3	X	X							29-26925
.05	2567 MW#2	8-16-05	10:30	AQ	3	X	X							29-26926
.06	2567 MW#3*	8-16-05	11:00	AQ	3	X	X							29-26947
.07	2567 MW#4	8-16-05	11:15	AQ	3	X	X							29-26945
.08	2567 MW#5	8-16-05	13:30	AQ	3	X	X							29-31785
.09	2567 MW#6	8-16-05	11:30	AQ	3	X	X							29-42585
.10	2567 MW#7	8-16-05	11:45	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	8/16-05 14:15				
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.XLS3/24/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.01 ft
DEPTH OF WELL: 13.10 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: 0.0 ppm

PURGE START TIME: 09:19
pH 6.41 su — TEMP 21.31 °C
DISSOLVED O_2 1.15 mg/L — SPECIFIC CONDUCTIVITY 43.0 µs/cm

PURGE END TIME: 10:29
pH 6.32 su — TEMP 23.52 °C
DISSOLVED O_2 2.70 mg/L — SPECIFIC CONDUCTIVITY 90.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.36 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:45
pH 6.54 su — TEMP 23.31 °C
DISSOLVED O_2 0.34 mg/L — SPECIFIC CONDUCTIVITY 93.0 µs/cm

SAMPLE END TIME: 10:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.58 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.62 ft
(7.62) X .65 X 3 = 14.85
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: 09:08
pH 6.47 su — TEMP 22.16 °C
DISSOLVED O_2 0.47 mg/L — SPECIFIC CONDUCTIVITY 025.0 µs/cm

PURGE END TIME: 10:13
pH 6.29 su — TEMP 22.93 °C
DISSOLVED O_2 0.25 mg/L — SPECIFIC CONDUCTIVITY 24.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.48 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 10:30
pH 6.29 su — TEMP 22.86 °C
DISSOLVED O_2 0.27 mg/L — SPECIFIC CONDUCTIVITY 24.0 µs/cm

SAMPLE END TIME: 10:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.30 ft
DEPTH OF WELL: 12.50 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 H2O 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: 09:31
pH 6.68 su — TEMP 21.29 °C
DISSOLVED O_2 0.81 mg/L — SPECIFIC CONDUCTIVITY 25.0 µs/cm

PURGE END TIME: 10:41
pH 6.56 su — TEMP 23.23 °C
DISSOLVED O_2 3.84 mg/L — SPECIFIC CONDUCTIVITY 106.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.56 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:00
pH 6.39 su — TEMP 23.05 °C
DISSOLVED O_2 0.37 mg/L — SPECIFIC CONDUCTIVITY 111.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.51 ft
DEPTH OF WELL: 11.66 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 H2O 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: 09:44
pH 6.52 su — TEMP 19.59 °C
DISSOLVED O_2 2.65 mg/L — SPECIFIC CONDUCTIVITY 15.0 µs/cm

PURGE END TIME: 10:54
pH 6.51 su — TEMP 21.88 °C
DISSOLVED O_2 3.54 mg/L — SPECIFIC CONDUCTIVITY 42.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.36 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:15
pH 5.94 su — TEMP 21.42 °C
DISSOLVED O_2 0.40 mg/L — SPECIFIC CONDUCTIVITY 30.0 µs/cm

SAMPLE END TIME: 11:15

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.91 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.84 ft
(6.84) X .65 X 3 = 13.33
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: 12:14
pH 6.14 su — TEMP 17.66 °C
DISSOLVED O_2 0.63 mg/L — SPECIFIC CONDUCTIVITY 15.0 µs/cm

PURGE END TIME: 13:15
pH 6.10 su — TEMP 16.37 °C
DISSOLVED O_2 2.93 mg/L — SPECIFIC CONDUCTIVITY 10.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.06 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 13:30
pH 6.04 su — TEMP 16.23 °C
DISSOLVED O_2 2.11 mg/L — SPECIFIC CONDUCTIVITY 13 .0 µs/cm

SAMPLE END TIME: 13:30

COMMENTS: Meter malfunction for specific conductivity.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.13 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.61 ft
(7.61) X .65 X 3 = 14.83
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: 09:59
pH 5.70 su — TEMP 16.62 °C
DISSOLVED O_2 2.77 mg/L — SPECIFIC CONDUCTIVITY 11.0 µs/cm

PURGE END TIME: 11:04
pH 5.94 su — TEMP 16.55 °C
DISSOLVED O_2 3.68 mg/L — SPECIFIC CONDUCTIVITY 16.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.64 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:30
pH 5.31 su — TEMP 16.16 °C
DISSOLVED O_2 2.72 mg/L — SPECIFIC CONDUCTIVITY 16.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS: Meter malfunction for specific conductivity.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/16/05
WEATHER: Cloudy and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.73 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.77 ft
(8.77) X .65 X 3 = 17.10
GALLONS OF H2O 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: 10:12
pH 5.63 su TEMP 18.94 °C
DISSOLVED O_2 2.49 mg/L SPECIFIC CONDUCTIVITY 15.0 µs/cm

PURGE END TIME: 11:26
pH 5.81 su TEMP 18.57 °C
DISSOLVED O_2 1.66 mg/L SPECIFIC CONDUCTIVITY 59.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.45 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:45
pH 6.14 su TEMP 18.73 °C
DISSOLVED O_2 1.59 mg/L SPECIFIC CONDUCTIVITY 62.0 µs/cm

SAMPLE END TIME: 11:45

COMMENTS: Meter malfunction for specific conductivity.

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	**VB020133.D**	Sample Name	**MB 26Aug2005**
Operator	**Skelton**	Field ID	**MB 26Aug2005**
Date Acquired	**26 Aug 2005 6:34 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 26Aug2005**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 26Aug2005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020133.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	**VB020134.D**	Sample Name	**5040401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**26 Aug 2005 7:16 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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020134.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	**VB020135.D**	Sample Name	**5040402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**26 Aug 2005 7:57 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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020135.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	**VB020136.D**	Sample Name	**5040403**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**26 Aug 2005 8:39 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	12.80	168746	7.58 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	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	17864	0.32 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	22943	0.36 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			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.01	49145	2.00 ug/L	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.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020136.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	6.69	21	J
2. 000109-66-0	Pentane	7.44	9	JN
3.	unknown	10.80	41	J
4. 000096-14-0	Pentane, 3-methyl-	11.69	23	JN
5. 000096-37-7	Cyclopentane, methyl-	14.51	55	JN
6. 000098-82-8	Benzene, (1-methylethyl)-	27.44	34	JN
7. 000103-65-1	Benzene, propyl-	28.23	34	JN
8. 000496-11-7	Indane	30.51	61	JN
9. 027133-93-3	2,3-Dihydro-1-methylindene	31.60	11	JN
10.	unknown	33.09	13	J

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

Data File	**VB020137.D**	Sample Name	**5040404**
Operator	**Skelton**	Field ID	**2567MW#1**
Date Acquired	**26 Aug 2005 9:20 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	13.21	67483	142.19 ug/L	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: **2567MW#1**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020137.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	**VB020138.D**	Sample Name	**5040405**
Operator	**Skelton**	Field ID	**2567MW#2**
Date Acquired	**26 Aug 2005 10:01 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#2**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020138.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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. 000496-11-7	Indane	30.51	3	JN

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

Data File	**VB020139.D**	Sample Name	**5040406**
Operator	**Skelton**	Field ID	**2567MW#3**
Date Acquired	**26 Aug 2005 10:43 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	12.80	176688	8.17 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	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	18.15	17361	0.32 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	22662	0.36 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			not detected	700	0.28 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	26.01	50036	2.06 ug/L	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: **2567MW#3**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020139.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	6.69	24	J
2. 000109-66-0	Pentane	7.43	10	JN
3.	unknown	10.79	45	J
4. 000096-14-0	Pentane, 3-methyl-	11.69	25	JN
5. 000096-37-7	Cyclopentane, methyl-	14.51	57	JN
6. 000098-82-8	Benzene, (1-methylethyl)-	27.45	35	JN
7. 000103-65-1	Benzene, propyl-	28.24	35	JN
8. 000496-11-7	Indane	30.51	61	JN
9.	unknown	31.59	11	J
10.	unknown	33.09	12	J

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

Data File	**VB020140.D**	Sample Name	**5040407**
Operator	**Skelton**	Field ID	**2567MW#4**
Date Acquired	**26 Aug 2005 11:24 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 (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: **2567MW#4**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020140.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/26/2005

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	VB020141.D	Sample Name	5040408
Operator	Skelton	Field ID	2567MW#5
Date Acquired	27 Aug 2005 12:05 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: **2567MW#5**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020141.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/27/2005

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	**VB020142.D**	Sample Name	**5040409**
Operator	**Skelton**	Field ID	**2567MW#6**
Date Acquired	**27 Aug 2005 12:47 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: **2567MW#6**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020142.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: 8/27/2005

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	**VB020143.D**	Sample Name	**5040410**
Operator	**Skelton**	Field ID	**2567MW#7**
Date Acquired	**27 Aug 2005 1:28 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: **2567MW#7**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50404 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5040410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020143.D

Level: (low/med) LOW Date Received: 8/16/2005

% Moisture: not dec. Date Analyzed: **8/27/2005**

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

LEAD

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

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

Lab ID #: 50404
Sample Received: 08/16/05
Analysis Start: 08/22/05
Analysis Completed: 08/22/05

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
5040402	Field Blank	ND	10.0	5.00
5040403	Dupe	ND	10.0	5.00
5040404	2567MW01	ND	10.0	5.00
5040405	2567MW02	ND	10.0	5.00
5040406	2567MW03	ND	10.0	5.00
5040407	2567MW04	ND	10.0	5.00
5040408	2567MW05	14.0	10.0	5.00
5040409	2567MW06	ND	10.0	5.00
5040410	2567MW07	ND	10.0	5.00
Method Blank	Method Blank	ND	10.0	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note.

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
12/10/1991	ENV PRO	4	2400	4400	2200	-					-
10/26/1992	ENV PRO	ND	2800	5400	1200	-					-
10/26/1992D	ENV PRO	ND	3200	7000	1500	-					-
04/21/1993	21st CEN	70	520	470	890	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	ND	21	28	650	-					-
03/31/1994	21st CEN	ND	ND	22	10	-					-
06/14/1994	21st CEN	ND	ND	120	88	-					-
09/15/1994	21st CEN	ND	ND	600	56	-					-
05/25/1995	EMSL	ND	ND	930	110	-					-
08/15/1995	EMSL	3.3	ND	930	29	-					-
11/21/1995	EMSL	ND	ND	860	80	-					-
02/20/1996	EMSL	4	ND	780	100	-					-
06/13/1996	FMETL	1.2	ND	ND	ND	-					-
09/27/1996	FMETL	ND	ND	ND	ND	-					-
04/11/1997	FMETL	2.5	ND	ND	ND	3.80					V,Pb
08/28/1997	FMETL	1.4	39.4	ND	240	4.80					V,Pb
12/02/1997	FMETL	7.0	ND	357	20.3	3.90					V,S,P,M
03/04/1998	FMETL	ND	ND	560	37	3.51					V,S,P,M
06/01/1998	FMETL	0.5	ND	95.63	24.23	4.06					V,Pb
09/24/1998	FMETL	ND	ND	283	10.02	5.21					V,Pb
12/09/1998	FMETL	ND	ND	143.26	3.43	4.90					V,Pb
02/24/1999	FMETL	ND	ND	675	26.15	3.75					V,Pb
05/29/1999	FMETL	ND	ND	605.1	9.16	4.20					V,Pb
07/21/1999	FMETL	ND	ND	155.56	3.33	5.48					V,Pb
10/21/1999	FMETL	1.3	ND	497.3	4.8	4.03					V,Pb
02/14/2000	FMETL	1.31	ND	992	8.2	3.31					V,Pb
05/15/2000	FMETL	ND	ND	458.88	5.24	4.04					V,Pb
08/22/2000	FMETL	ND	ND	218.42	1.20	3.87					V,Pb
11/01/2000	FMETL	ND	ND	ND	15.04	4.24					V,Pb
11/01/2000D	FMETL	ND	ND	ND	15.33	4.24					V,Pb
02/09/2001	FMETL	ND	ND	1488.05	4.83	3.30					V,Pb
05/08/2001	FMETL	0.93	ND	764.25	2.10	4.15					V, Pb
08/15/2001	FMETL	ND	ND	248.74	ND	4.95					V, Pb
08/15/2001D	FMETL	ND	ND	457.64	1.54	4.95					V, Pb
11/09/2001	FMETL	ND	ND	ND	1.09	5.11					V, Pb
02/26/2002	FMETL	ND	ND	859.38	1.61	3.95					V, Pb
05/28/2002	FMETL	ND	ND	331.75	ND	4.09					V, Pb
08/20/2002	FMETL	ND	ND	441.16	ND	5.45					V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

09-13-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
10/29/2002	FMETL	1.22	ND	259.69	ND	3.62					V, Pb
02/26/2003	FMETL	1.40	ND	828.6	2.05	3.11					V, Pb
06/11/2003	FMETL	ND	ND	186.42	1.78	3.35					V, Pb
07/22/2003	FMETL	ND	ND	205.86	1.93	4.39					V, Pb
10/07/2003	FMETL	ND	ND	175.48	ND	4.23					V, Pb
01/16/2004	FMETL	ND	ND	224.08	2.08	3.60					V, Pb
06/22/2004	FMETL	ND	ND	283.26	7.79	4.51					V, Pb
08/12/2004	FMETL	ND	ND	150.65	2.75	4.11					V, Pb
11/24/2004	FMETL	ND	ND	478.49	0.72	3.54					V, Pb
02/11/2005	FMETL	ND	ND	128.03	ND	3.29					V, Pb
05/06/2005	FMETL	ND	ND	200.1	ND	3.50					V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	5.01					V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

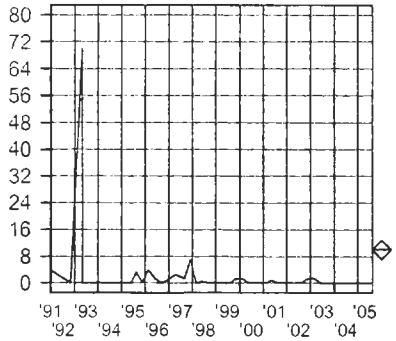
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

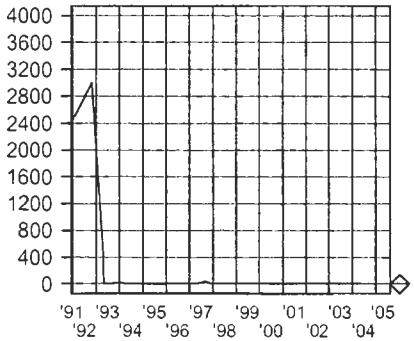
Source 1 of 7 (cont.)

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

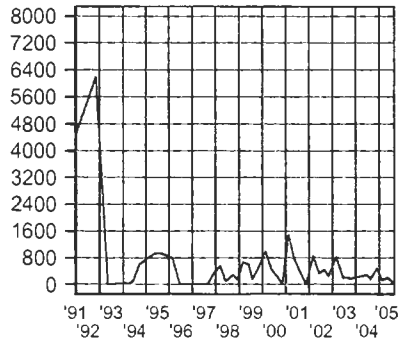
LEAD
(ug/L)



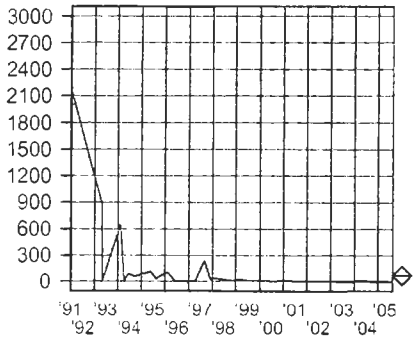
BENZENE
(ug/L)



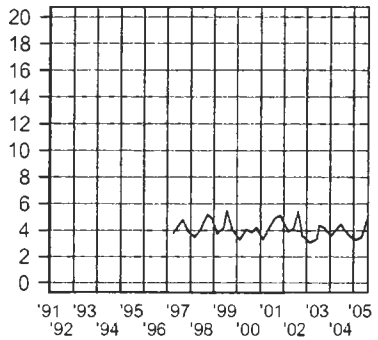
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

09-13-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
12/10/1991	ENV PRO	ND	3	ND	ND	-					-
10/26/1992	ENV PRO	11	ND	ND	ND	-					-
04/21/1993	ENV PRO	ND	ND	ND	ND	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	260	19	ND	7.0	-					-
03/31/1994	21st CEN	ND	ND	ND	11	-					-
06/14/1994	21st CEN	ND	ND	ND	11	-					-
09/15/1994	21st CEN	ND	ND	ND	4.1	-					-
05/25/1995	EMSL	ND	ND	ND	3.1	-					-
08/15/1995	EMSL	5.6	ND	ND	2.5	-					-
11/21/1995	EMSL	ND	ND	ND	1.6	-					-
02/20/1996	EMSL	ND	ND	ND	2	-					-
06/13/1996	FMETL	ND	ND	ND	ND	-					-
09/27/1996	FMETL	1.2	ND	ND	ND	-					-
04/11/1997	FMETL	10.7	ND	ND	ND	3.40					V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	4.30					V,Pb
12/02/1997	FMETL	20	ND	ND	ND	3.45					V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	2.92					V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	3.59					V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	4.73					V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	3.42					V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	3.38					V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	3.83					V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	5.03					V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	3.65					V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	3.00					V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	3.77					V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	3.51					V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	4.15					V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	2.75					V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	3.95					V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	4.65					V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	4.81					V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	4.81					V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	3.86					V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.83					V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	5.13					V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	3.32					V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	2.71					V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
06/11/2003	FMETL	ND	ND	ND	ND	3.00					V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	3.91					V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	3.89					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	3.42					V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	4.12					V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	3.85					V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	3.19					V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	2.70					V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	3.09					V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	4.58					V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

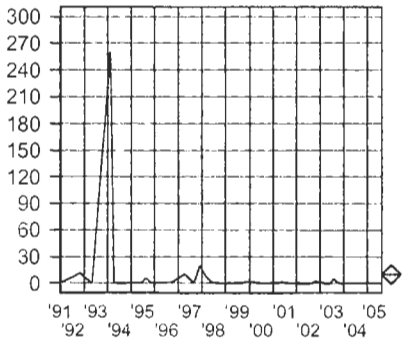
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

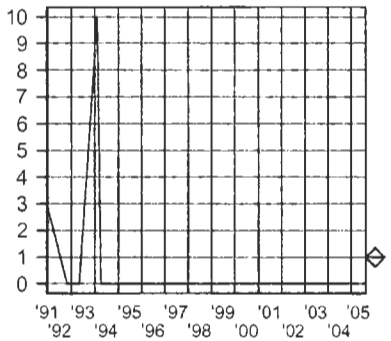
Source 2 of 7 (cont.)

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

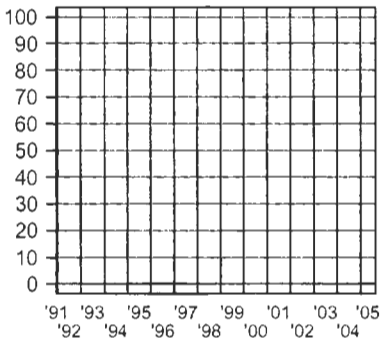
LEAD
(ug/L)



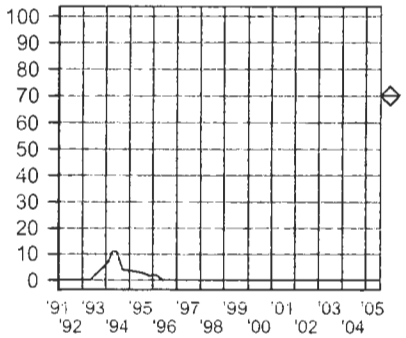
BENZENE
(ug/L)



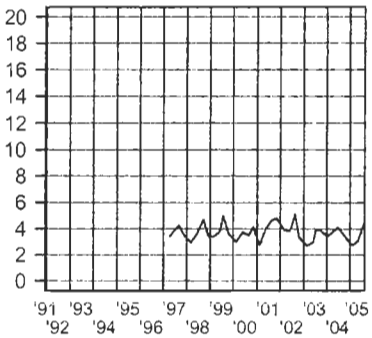
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
12/10/1991	ENV PRO	ND	110	ND	69	-					-
10/26/1992	ENV PRO	5	ND	ND	ND	-					-
04/21/1993	ENV PRO	60	180	ND	27	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	41	19	ND	9.1	-					-
03/31/1994	21st CEN	25	ND	ND	ND	-					-
06/14/1994	21st CEN	3	15	ND	100	-					-
09/15/1994	21st CEN	ND	ND	ND	61	-					-
05/25/1995	EMSL	2.7	94	ND	400	-					-
08/15/1995	EMSL	ND	89	ND	670	-					-
11/21/1995	EMSL	ND	35	46	360	-					-
02/20/1996	EMSL	6	40	43	250	-					-
06/13/1996	FMETL	0.7	ND	ND	ND	-					-
09/27/1996	FMETL	6.2	ND	ND	ND	-					-
04/11/1997	FMETL	1.8	ND	ND	ND	3.15					V,Pb
08/28/1997	FMETL	ND	ND	940	62	4.00					V,Pb
12/02/1997	FMETL	10	4.31	ND	188	3.10					V,S,P,M
03/04/1998	FMETL	ND	19	ND	102	2.48					V,S,P,M
06/19/1998	FMETL	ND	4.68	27.52	81.82	3.99					V,Pb
09/25/1998	FMETL	ND	5.96	ND	27.27	4.56					V,Pb
12/16/1998	FMETL	ND	15.45	19.38	20.54	4.25					V,Pb
02/24/1999	FMETL	1.0	1.03	ND	3.3	3.16					V,Pb
05/29/1999	FMETL	ND	1.70	ND	26.34	3.55					V,Pb
07/21/1999	FMETL	ND	ND	ND	8.98	4.85					V,Pb
10/21/1999	FMETL	1.3	ND	ND	13.08	3.93					V,Pb
02/14/2000	FMETL	1.22	ND	ND	3.78	3.42					V,Pb
05/15/2000	FMETL	ND	ND	ND	9.35	3.40					V,Pb
08/22/2000	FMETL	ND	ND	ND	5.36	3.17					V,Pb
11/01/2000	FMETL	ND	ND	ND	20.24	3.56					V,Pb
02/09/2001	FMETL	ND	ND	ND	1.96	2.50					V,Pb
05/08/2001	FMETL	0.96	ND	ND	11.95	3.40					V, Pb
08/15/2001	FMETL	ND	ND	67.42	17.8	4.30					V, Pb
11/09/2001	FMETL	ND	ND	ND	5.51	4.30					V, Pb
02/26/2002	FMETL	ND	ND	31.59	4.14	3.29					V, Pb
05/28/2002	FMETL	ND	ND	ND	3.13	3.40					V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	4.03					V, Pb
10/29/2002	FMETL	ND	ND	ND	2.37	2.98					V, Pb
02/26/2003	FMETL	ND	ND	ND	3.64	2.39					V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	2.55					V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
07/22/2003	FMETL	0.983	ND	ND	6.82	3.81					V, Pb
10/07/2003	FMETL	ND	ND	13.51	4.56	3.52					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	2.95					V, Pb
06/22/2004	FMETL	ND	ND	ND	15.45	3.75					V, Pb
08/12/2004	FMETL	ND	ND	66.83	9.66	3.61					V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	2.98					V, Pb
02/11/2005	FMETL	ND	ND	51.21	2.88	2.45					V, Pb
05/06/2005	FMETL	ND	ND	90.78	8.64	2.77					V, Pb
08/16/2005	FMETL	ND	0.32	ND	8.17	4.30					V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

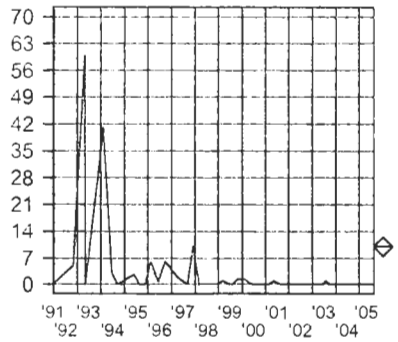
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

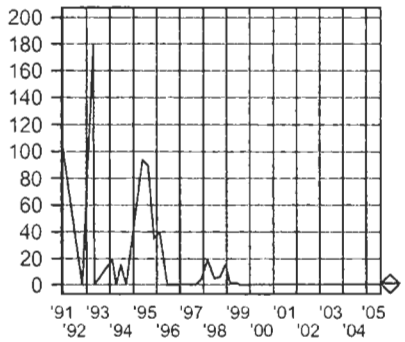
Source 3 of 7 (cont.)

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

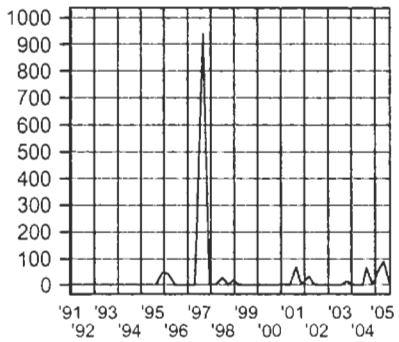
LEAD
(ug/L)



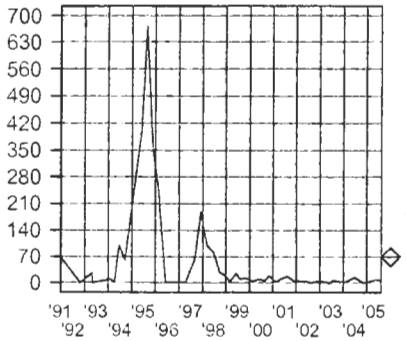
BENZENE
(ug/L)



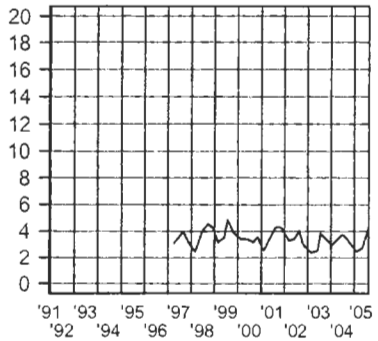
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
12/10/1991	EMSL	5	ND	ND	ND	-					-
10/26/1992	ENV PRO	ND	ND	ND	ND	-					-
04/21/1993	ENV PRO	ND	ND	ND	ND	-					-
04/28/1993	21st CEN	ND	ND	ND	ND	-					BNA Only
02/03/1994	21st CEN	ND	14	ND	ND	-					-
03/31/1994	21st CEN	ND	ND	ND	1.3	-					-
06/14/1994	21st CEN	ND	ND	ND	ND	-					-
09/15/1994	21st CEN	ND	ND	ND	ND	-					-
05/25/1995	EMSL	ND	ND	ND	ND	-					-
08/15/1995	EMSL	2.6	ND	ND	ND	-					-
11/21/1995	EMSL	ND	ND	ND	ND	-					-
02/20/1996	EMSL	ND	ND	ND	ND	-					-
06/13/1996	FMETL	1.8	ND	-	-	-					-
09/27/1996	FMETL	ND	ND	-	-	-					-
04/11/1997	FMETL	2.3	ND	-	-	2.55					V,Pb
08/28/1997	FMETL	ND	ND	-	-	3.20					V,Pb
12/02/1997	FMETL	9.0	ND	-	-	2.45					V,S,P,M
03/04/1998	FMETL	ND	ND	-	-	2.11					V,S,P,M
06/19/1998	FMETL	ND	ND	-	-	2.33					V,Pb
09/24/1998	FMETL	ND	ND	-	-	3.55					V,Pb
12/12/1998	FMETL	ND	ND	-	-	3.11					V,Pb
02/24/1999	FMETL	ND	ND	-	-	2.44					V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	2.76					V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	3.98					V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	2.37					V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	1.69					V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	2.65					V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	2.65					V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	2.49					V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	2.49					V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	2.91					V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.99					V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	1.99					V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	2.68					V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	2.68					V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	3.50					V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	3.65					V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	2.71					V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	2.83					V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
08/20/2002	FMETL	ND	ND	ND	ND	3.96					V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.26					V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	1.84					V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	2.15					V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	2.62					V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	2.75					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	2.37					V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	3.15					V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	2.80					V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	2.08					V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	1.67					V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	2.09					V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	3.51					3.V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/16/2005

NOTES:

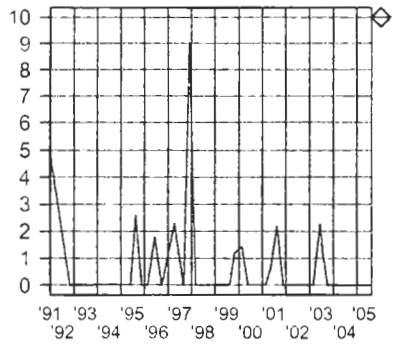
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

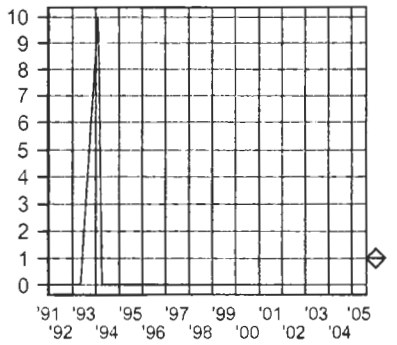
Source 4 of 7 (cont.)

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

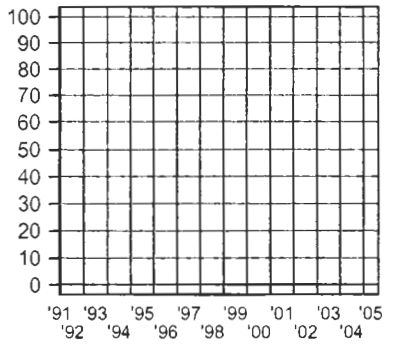
LEAD
(ug/L)



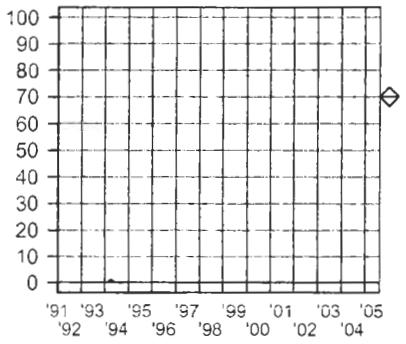
BENZENE
(ug/L)



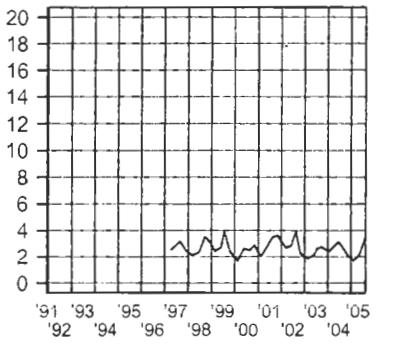
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
05/25/1995	EMSL	4.0	ND	ND	ND	-					-
08/15/1995	EMSL	ND	ND	ND	ND	-					-
11/21/1995	EMSL	ND	ND	ND	ND	-					-
02/20/1996	EMSL	ND	ND	ND	ND	-					-
09/27/1996	FMETL	ND	-	-	-	-					-
04/11/1997	FMETL	2.7	-	-	-	7.20					V,Pb
08/28/1997	FMETL	ND	-	-	-	7.50					V,Pb
12/02/1997	FMETL	7.0	-	-	-	7.20					V,S,P,M
03/04/1998	FMETL	ND	-	-	-	7.30					V,S,P,M
06/01/1998	FMETL	ND	-	-	-	7.55					V,Pb
09/25/1998	FMETL	ND	-	-	-	7.59					V,Pb
12/16/1998	FMETL	ND	-	-	-	7.34					V,Pb
02/24/1999	FMETL	ND	-	-	-	8.16					V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	7.33					V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	7.87					V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	8.57					V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	5.75					V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	6.92					V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	6.73					V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	7.16					V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	5.26					V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	7.47					V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	7.70					V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	7.83					V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	6.95					V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	5.91					V,Pb
08/20/2002	FMETL	32.3	ND	ND	ND	8.03					V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	5.95					V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	5.37					V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	5.78					V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	7.30					V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	7.17					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	6.93					V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	5.79					V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	5.23					V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	6.44					V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	5.79					V, P
05/09/2005	FMETL	27.9	ND	ND	ND	6.56					V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	7.91					V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/16/2005

NOTES:

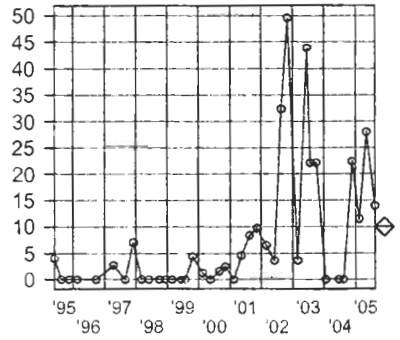
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

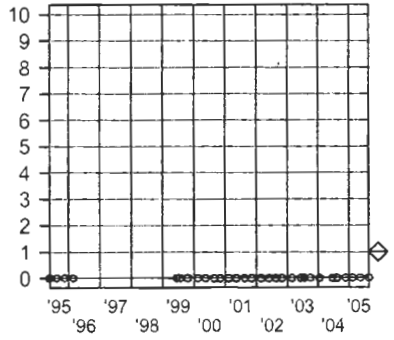
Source 5 of 7

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

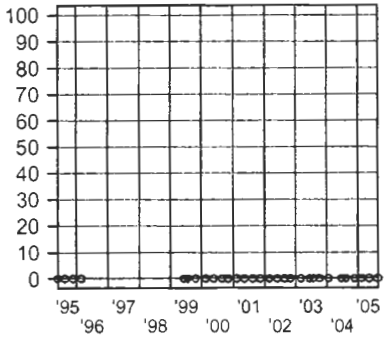
LEAD
(ug/L)



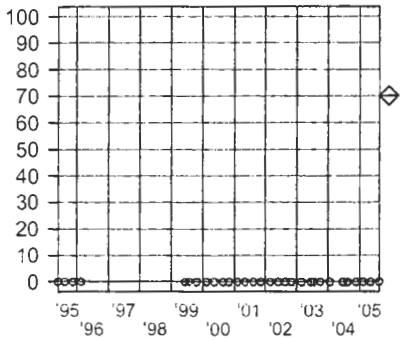
BENZENE
(ug/L)



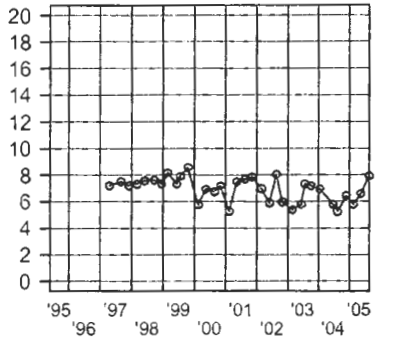
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

09-13-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
08/22/2000	FMETL	ND	ND	ND	ND	7.06					V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	7.26					V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	6.44					V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	7.42					V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	8.15					V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	8.09					V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	6.82					V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	7.29					V,Pb
08/20/2002	FMETL	1.32	ND	ND	ND	8.78					V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	6.62					V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	6.24					V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	6.50					V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	7.61					V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	7.31					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	6.65					V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	7.67					V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	7.46					V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	6.45					V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	6.11					V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	6.61					V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	8.13					V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 08/16/2005

NOTES:

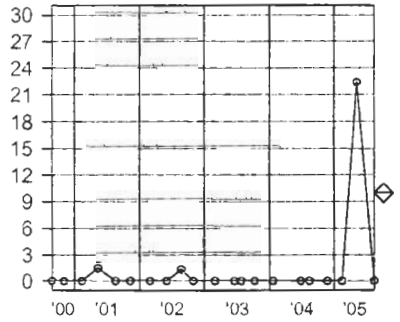
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

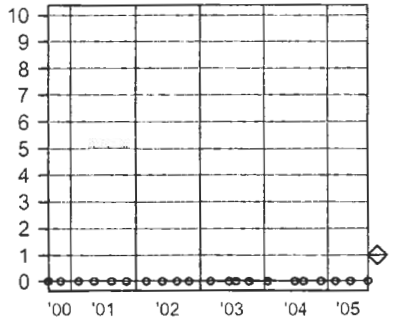
Source 6 of 7

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

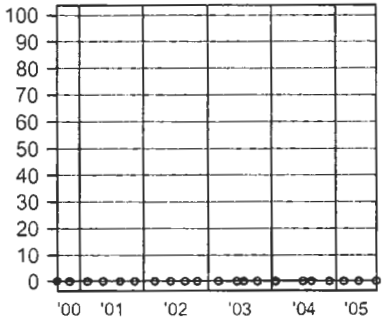
LEAD
(ug/L)



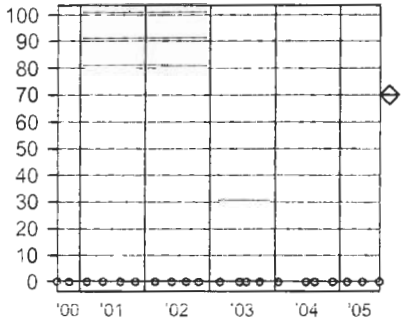
BENZENE
(ug/L)



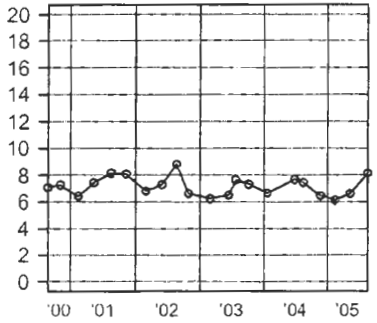
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

09-13-2005 \\monm545\envr_data\MtechData\2567\2567.WSF

	LAB	LEAD	BENZENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water					NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	Feet					-
NJDEP Criteria:	-	10	1	NLE	70	-					-
08/22/2000	FMETL	ND	ND	ND	ND	6.65					V,Pb
11/02/2000	FMETL	ND	ND	ND	ND	6.80					V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	6.23					V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	7.02					V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	7.75					V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	7.56					V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	6.71					V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	6.83					V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	8.28					V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	6.40					V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	6.07					V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	6.26					V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	7.19					V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	6.88					V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	6.37					V, Pb
06/22/2004	FMETL	ND	ND	ND	2.98	7.32					V, Pb
08/12/2004	FMETL	5.47	ND	ND	2.51	7.10					V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	6.17					V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	5.88					V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	6.30					V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	7.73					V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/16/2005

NOTES:

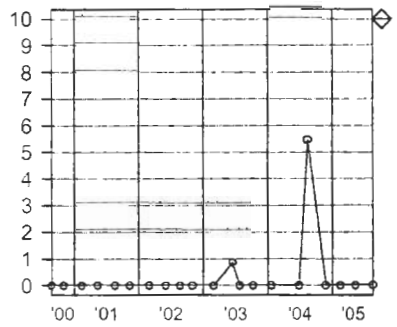
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

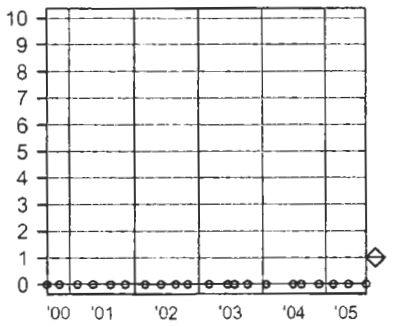
Source 7 of 7

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

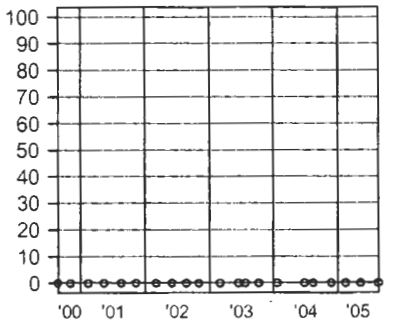
LEAD
(ug/L)



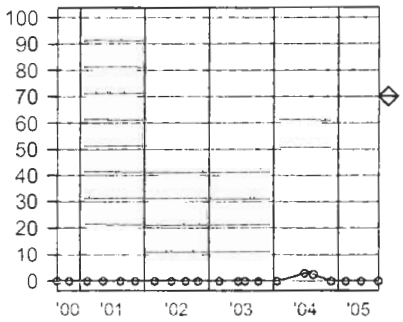
BENZENE
(ug/L)



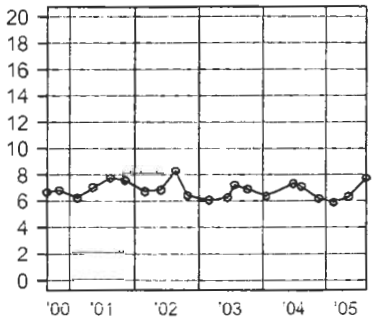
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

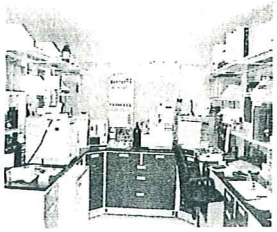
GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, 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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5060204	2567MW01	29-26925	11/17/05
5060205	2567MW02	29-26926	11/17/05
5060206	2567MW03	29-26947	11/17/05
5060207	2567MW04	29-26948	11/17/05
5060208	2567MW05	29-31783	11/17/05
5060209	2567MW06	29-42585	11/17/05
5060210	2567MW07	29-42586	11/17/05

NJDEP Laboratory Certification # 13461

1-3-06

Daniel Wright/Date:
Laboratory Director

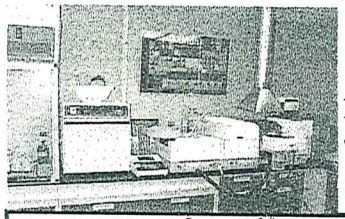
The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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: D. Gunther
Phone: X20486
( )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	Analysis Parameters: pb	Comments: Remarks / Preservation Method
59 0002.01	2567 TRIP BLANK	11-17-05	8:00	AQ	2	X		
.02	2567 FIELD BLANK	11-17-05	11:10	AQ	3	X	X	
.03	2567 DUP	11-17-05	——	AQ	3	X	X	
.04	2567 MW #1	11-17-05	11:50	AQ	3	X	X	29-26925
.05	2567 MW #2	11-17-05	11:20	AQ	3	X	X	29-26926
.06	2567 MW #3 *	11-17-05	15:30	AQ	3	X	X	29-26947
.07	2567 MW #4	11-17-05	11:40	AQ	3	X	X	29-26948
.08	2567 MW #5	11-17-05	14:50	AQ	3	X	X	29-31783
.09	2567 MW #6	11-17-05	15:00	AQ	3	X	X	29-42585
.10	2567 MW #7	11-17-05	15:20	AQ	3	X	X	29-42586

Relinquished by (signature)	Date/Time	Received by (signature)	Relinquished by (signature)	Date/Time	Received by (signature)
Walter Funk	11/17/05 16:05				

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, ( )Rush___Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

COC.XLS9/16/2005

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.49 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.61 ft
(9.61) X .65 X 3 = 18.73
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: 10:20
pH 6.45 su — TEMP 17.52 °C
DISSOLVED O_2 0.00 mg/L — SPECIFIC CONDUCTIVITY 6590.0 µs/cm

PURGE END TIME: 11:43
pH 6.00 su — TEMP 17.71 °C
DISSOLVED O_2 0.00 mg/L — SPECIFIC CONDUCTIVITY 6932.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.93 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:50
pH 6.59 su — TEMP 18.02 °C
DISSOLVED O_2 0.00 mg/L — SPECIFIC CONDUCTIVITY 6794.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.49 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.71 ft
(8.71) X .65 X 3 = 16.98
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: 10:01
pH 6.64 su
TEMP 18.18 °C
DISSOLVED O_2 0.18 mg/L
SPECIFIC CONDUCTIVITY 3985.0 µs/cm

PURGE END TIME: 11:15
pH 7.01 su
TEMP 18.17 °C
DISSOLVED O_2 1.60 mg/L
SPECIFIC CONDUCTIVITY 2422.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.31 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:20
pH 6.50 su
TEMP 18.52 °C
DISSOLVED O_2 0.46 mg/L
SPECIFIC CONDUCTIVITY 1885.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.98 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.52 ft
(9.52) X .65 X 3 = 18.54
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:55
pH 6.33 su
DISSOLVED O_2 0.34 mg/L
TEMP 17.83 °C
SPECIFIC CONDUCTIVITY 3187.0 µs/cm

PURGE END TIME: 15:18
pH 6.18 su
DISSOLVED O_2 0.00 mg/L
TEMP 17.19 °C
SPECIFIC CONDUCTIVITY 907.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.97 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:30
pH 6.48 su
DISSOLVED O_2 0.82 mg/L
TEMP 17.94 °C
SPECIFIC CONDUCTIVITY 1639.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.93 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.73 ft
(9.73) X .65 X 3 = 18.97
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:10
pH 6.62 su — TEMP 15.98 °C
DISSOLVED O_2 0.57 mg/L — SPECIFIC CONDUCTIVITY 3275.0 µs/cm

PURGE END TIME: 11:33
pH 6.31 su — TEMP 16.29 °C
DISSOLVED O_2 0.23 mg/L — SPECIFIC CONDUCTIVITY 4028.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.36 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:40
pH 5.74 su — TEMP 16.25 °C
DISSOLVED O_2 0.05 mg/L — SPECIFIC CONDUCTIVITY 4228.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.62 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.13 ft
(9.13) X .65 X 3 = 17.80
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: 13:26
pH 7.65 su — TEMP 14.22 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 3110.0 µs/cm

PURGE END TIME: 14:44
pH 6.68 su — TEMP 13.78 °C
DISSOLVED O_2 1.33 mg/L — SPECIFIC CONDUCTIVITY 3477.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.26 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:50
pH 6.01 su — TEMP 14.27 °C
DISSOLVED O_2 0.90 mg/L — SPECIFIC CONDUCTIVITY 3383.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.29 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.45 ft
(9.45) X .65 X 3 = 18.42
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: 13:37
pH 5.20 su — TEMP 14.24 °C
DISSOLVED O_2 0.73 mg/L — SPECIFIC CONDUCTIVITY 3404.0 µs/cm

PURGE END TIME: 15:00
pH 5.17 su — TEMP 13.74 °C
DISSOLVED O_2 0.52 mg/L — SPECIFIC CONDUCTIVITY 3888.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.26 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:00
pH 4.68 su — TEMP 14.17 °C
DISSOLVED O_2 0.14 mg/L — SPECIFIC CONDUCTIVITY 3482.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/17/05
WEATHER: Clear and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.15 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.35 ft
(10.35) X .65 X 3 = 20.18
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:45
pH 5.94 su TEMP 14.99 °C
DISSOLVED O_2 0.34 mg/L SPECIFIC CONDUCTIVITY 3723.0 µs/cm

PURGE END TIME: 15:12
pH 5.81 su TEMP 15.09 °C
DISSOLVED O_2 4.36 mg/L SPECIFIC CONDUCTIVITY 810.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.07 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 15:20
pH 6.08 su TEMP 15.36 °C
DISSOLVED O_2 1.19 mg/L SPECIFIC CONDUCTIVITY 931.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

VOLATILE ORGANCIS

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	**VB020853.D**	Sample Name	**MB 30Nov2005**
Operator	**Skelton**	Field ID	**MB 30Nov2005**
Date Acquired	**30 Nov 2005 1:25 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 30Nov2005**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 30Nov2005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020853.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. Date Analyzed: 11/30/2005

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. 000079-20-9	Acetic acid, methyl ester	12.50	4	JN
2.	unknown	23.07	5	J

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

Data File	**VB020860.D**	Sample Name	**5060201**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**30 Nov 2005 6:14 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	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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060201

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020860.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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.	unknown	12.49	5	J
2.	unknown	23.07	4	J

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

Data File	**VB020861.D**	Sample Name	**5060202**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**30 Nov 2005 6:55 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: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060202

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020861.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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	12.48	5	J
2.	unknown	16.63	5	J
3. 000541-05-9	Cyclotrisiloxane, hexamethyl-	23.07	4	JN

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

Data File	**VB020862.D**	Sample Name	**5060203**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**30 Nov 2005 7:36 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	13.15	130544	67.48 ug/L	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.74	135747	2.15 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	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: **2567Dup**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020862.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000079-20-9	Acetic acid, methyl ester	12.47	6	JN
2.	unknown	14.49	3	J
3.	unknown	16.62	3	J
4.	unknown	23.07	3	J
5. 000496-11-7	Indane	30.51	4	JN

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

Data File	**VB020863.D**	Sample Name	**5060204**
Operator	**Skelton**	Field ID	**2567MW#1**
Date Acquired	**30 Nov 2005 8:16 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	13.12	738315	377.47 ug/L	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: **2567MW#1**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060204

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020863.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. Date Analyzed: 11/30/2005

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. 000079-20-9	Acetic acid, methyl ester	12.47	6	JN
2.	unknown	16.63	4	J

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

Data File	**VB020864.D**	Sample Name	**5060205**
Operator	**Skelton**	Field ID	**2567MW#2**
Date Acquired	**30 Nov 2005 8:57 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#2**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060205

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020864.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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. 000420-56-4	Silane, fluorotrimethyl-	6.16	3	JN
2. 000079-20-9	Acetic acid, methyl ester	12.48	6	JN
3.	unknown	16.62	4	J

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

Data File	VB020865.D	Sample Name	5060206
Operator	Skelton	Field ID	2567MW#3
Date Acquired	30 Nov 2005 9:38 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	13.15	132809	69.30 ug/L	100	8.54 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.74	139515	2.23 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	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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#3**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060206

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020865.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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. 000420-56-4	Silane, fluorotrimethyl-	6.17	7	JN
2.	unknown	12.48	6	J
3.	unknown	16.62	6	J
4.	unknown	23.07	3	J

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

Data File	**VB020866.D**	Sample Name	**5060207**
Operator	**Skelton**	Field ID	**2567MW#4**
Date Acquired	**30 Nov 2005 10:19 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#4**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060207

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020866.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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. 000079-20-9	Acetic acid, methyl ester	12.48	7	JN
2.	unknown	16.62	4	J

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

Data File	**VB020867.D**	Sample Name	**5060208**
Operator	**Skelton**	Field ID	**2567MW#5**
Date Acquired	**30 Nov 2005 11:00 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#5**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060208

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020867.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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. 000079-20-9	Acetic acid, methyl ester	12.47	6	JN
2.	unknown	16.62	5	J

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

Data File	**VB020868.D**	Sample Name	**5060209**
Operator	**Skelton**	Field ID	**2567MW#6**
Date Acquired	**30 Nov 2005 11:40 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#6**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060209

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020868.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

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. 000079-20-9	Acetic acid, methyl ester	12.48	6	JN
2.	unknown	16.63	6	J

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

Data File	**VB020869.D**	Sample Name	**5060210**
Operator	**Skelton**	Field ID	**2567MW#7**
Date Acquired	**1 Dec 2005 12:21 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	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

C:\HPCHEM\Custrpt\Volatile\624FY05NEWLIST.CRT

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#7**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 50602 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 5060210

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB020869.D

Level: (low/med) LOW Date Received: 11/17/2005

% Moisture: not dec. _____ Date Analyzed: 12/1/2005

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. 000079-20-9	Acetic acid, methyl ester	12.48	6	JN
2.	unknown	16.62	4	J

LEAD

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703
Site: Ft. Monmouth
Bldg. 699

Lab ID #: 50602
Sample Received: NA
Analysis Start: 11/22/05
Analysis Completed: 11/22/05
Matrix: AQ

Method of Digestion: E.P.A SW-846, Method 3010A
Method of Analysis: Std. Methods 18th, Method 3113B

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	R.L (ug/L)
Method Blank	NA	ND	10	5.00

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

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

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

Lab ID #: 50602
Sample Received: 11/17/05
Analysis Start: 11/22/05
Analysis Completed: 11/22/05

Site: Ft. Monmouth
Bldg. 699

Matrix: AQ

Method of Digestion: E.P.A SW-846, Method 3010A
Method of Analysis: Std. Methods 18th, Method 3113B

TEST PARAMETER: LEAD

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	R.L (ug/L)
5060202	Field Blank	ND	10	5.00
5060203	Duplicate	ND	10	5.00
5060204	2567 MW#1	ND	10	5.00
5060205	2567 MW#2	ND	10	5.00
5060206	2567 MW#3	ND	10	5.00
5060207	2567 MW#4	8.84	10	5.00
5060208	2567 MW#5	11.2	10	5.00
5060209	2567 MW#6	ND	10	5.00
5060210	2567 MW#7	ND	10	5.00

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable, NS = No Sample

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1488.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/17/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/17/2005

NOTES:

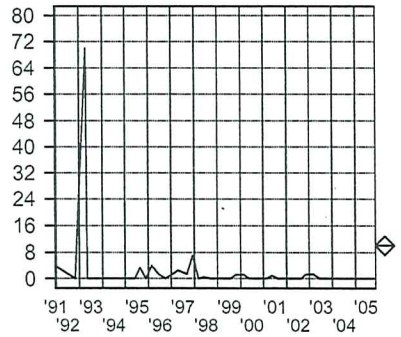
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

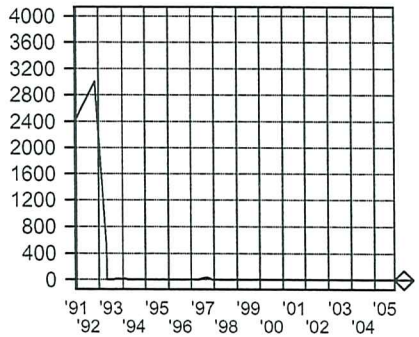
Source 1 of 7 (cont.)

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

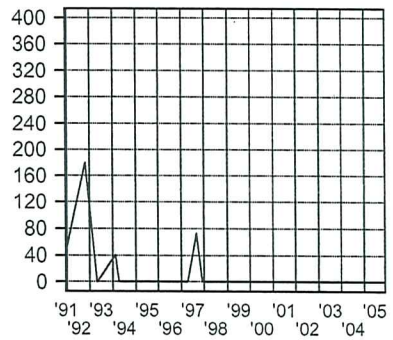
LEAD
(ug/L)



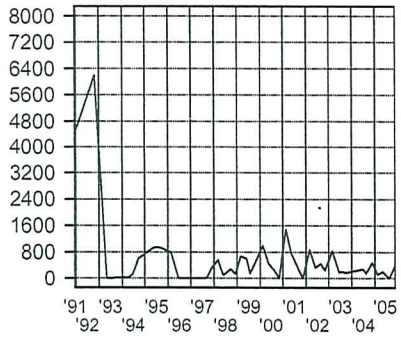
BENZENE
(ug/L)



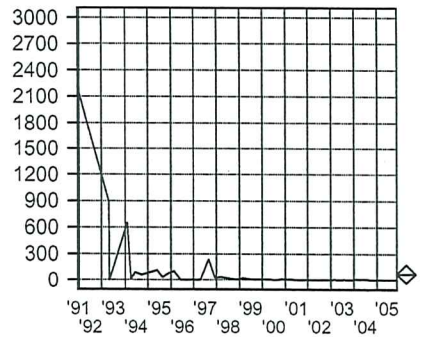
XYLENE
(ug/L)



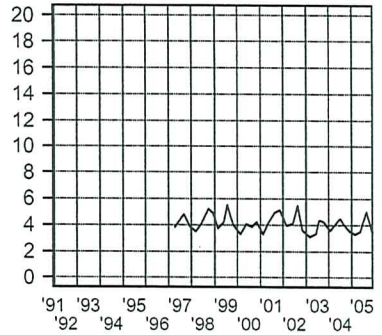
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/17/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/17/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/17/2005

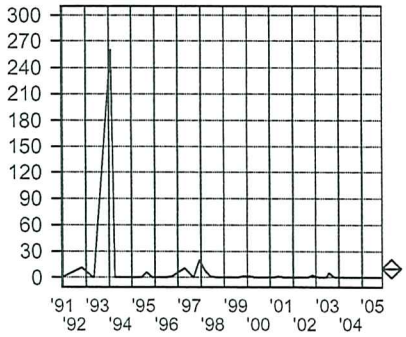
NOTES:

FORT MONMOUTH

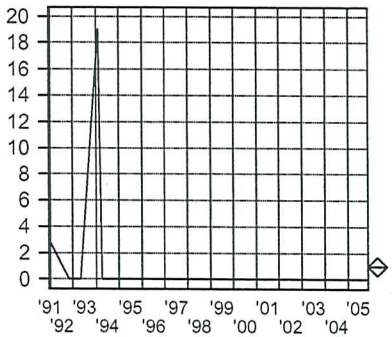
GW MONITORING
Bldg. 2567
Table / Graph A
Source 2 of 7 (cont.)

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

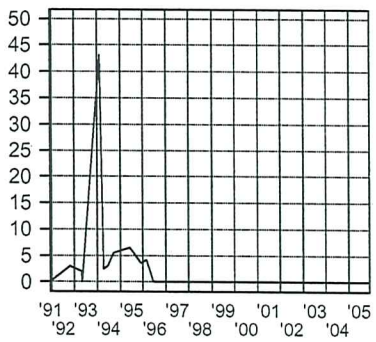
LEAD
(ug/L)



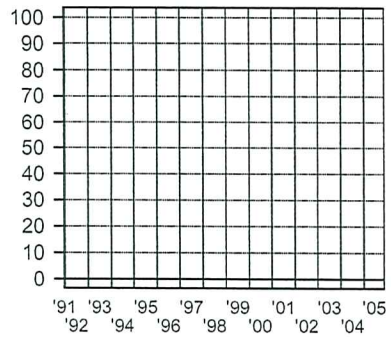
BENZENE
(ug/L)



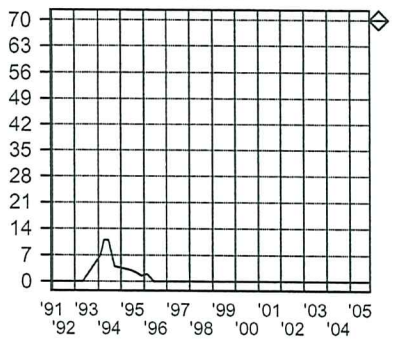
XYLENE
(ug/L)



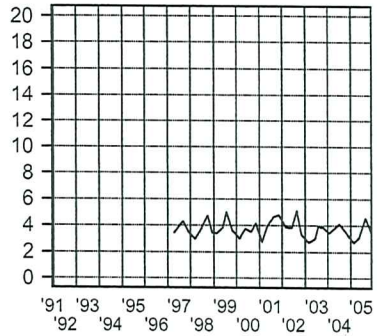
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/17/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/17/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/17/2005

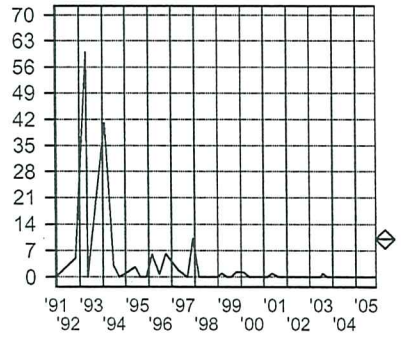
NOTES:

FORT MONMOUTH

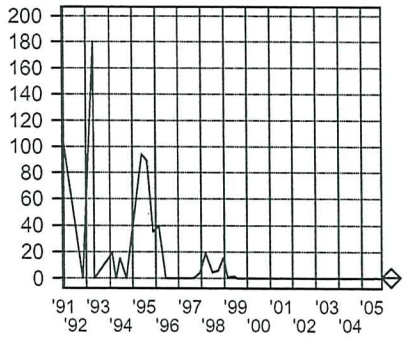
GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

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

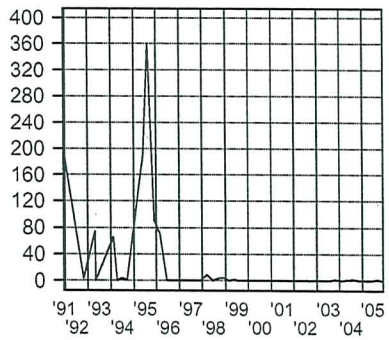
LEAD
(ug/L)



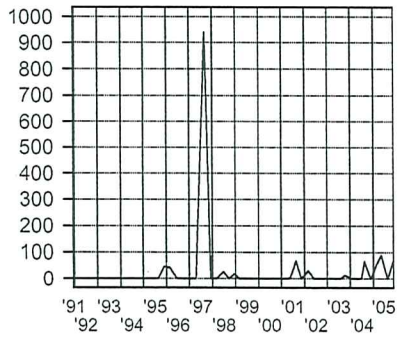
BENZENE
(ug/L)



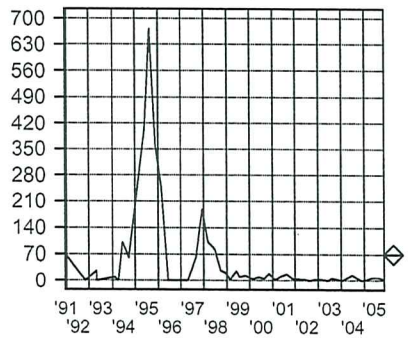
XYLENE
(ug/L)



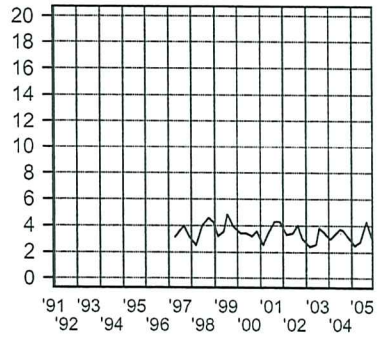
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/17/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	-	-	-				-
09/27/1996	FMETL	ND	ND	ND	-	-	-				-
04/11/1997	FMETL	2.3	ND	ND	-	-	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	-	-	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	-	-	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	-	-	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	-	-	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	-	-	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	-	-	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	-	-	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/17/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				3.V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/17/2005

NOTES:

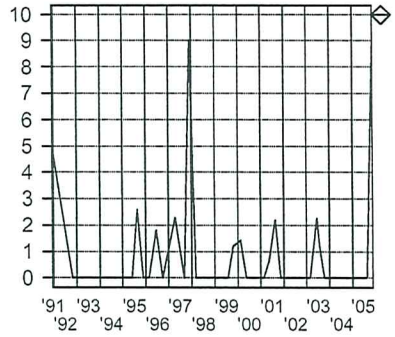
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

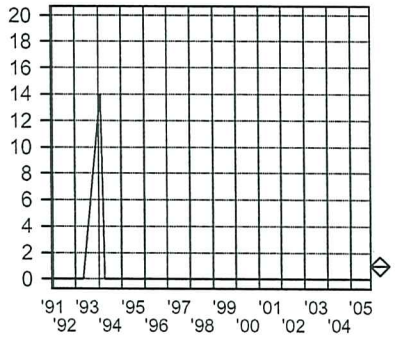
Source 4 of 7 (cont.)

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

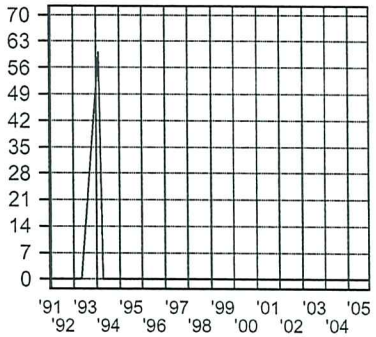
LEAD
(ug/L)



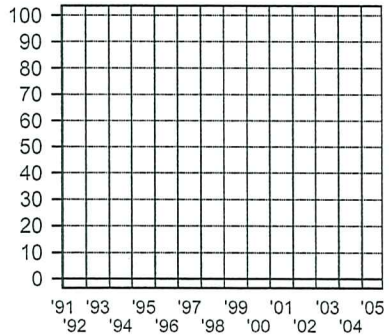
BENZENE
(ug/L)



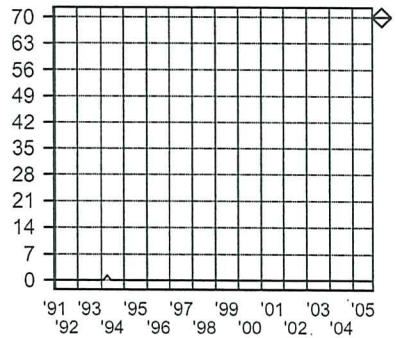
XYLENE
(ug/L)



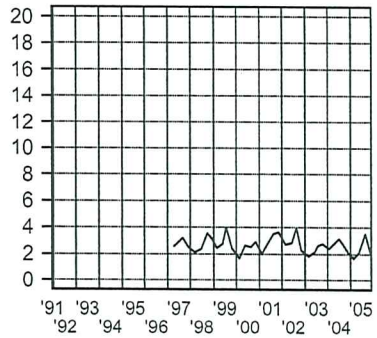
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/17/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	ND	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V,Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, P
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/17/2005

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/17/2005

NOTES:

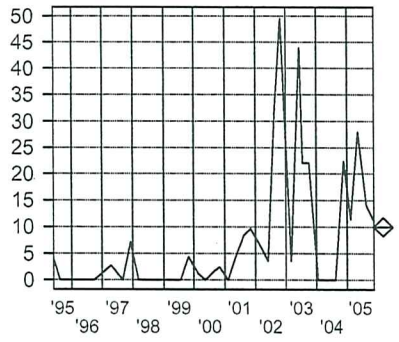
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

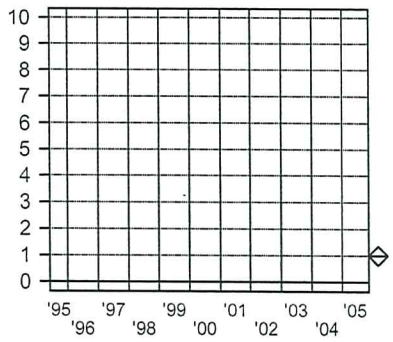
Source 5 of 7 (cont.)

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

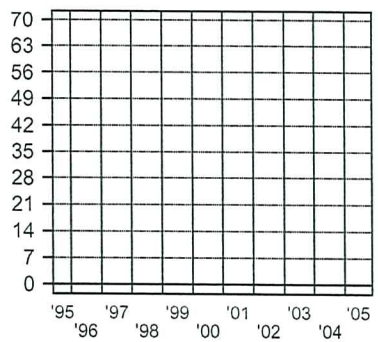
LEAD
(ug/L)



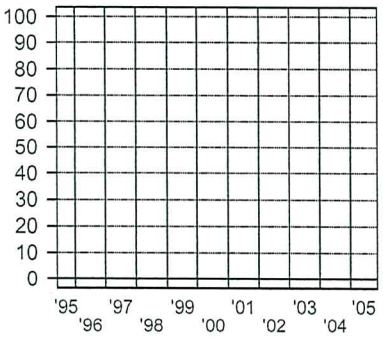
BENZENE
(ug/L)



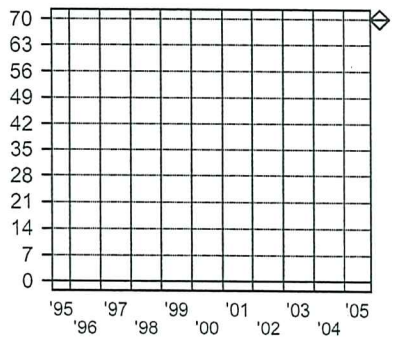
XYLENE
(ug/L)



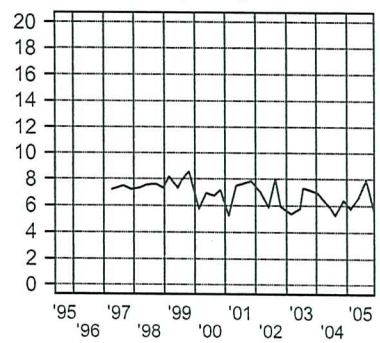
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/17/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V,Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 11/17/2005

NOTES:

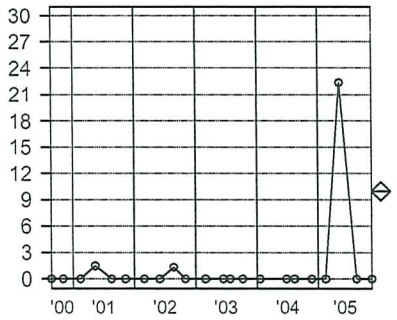
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

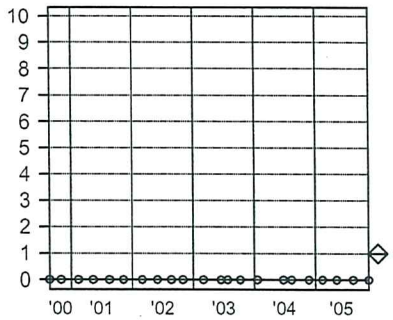
Source 6 of 7

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

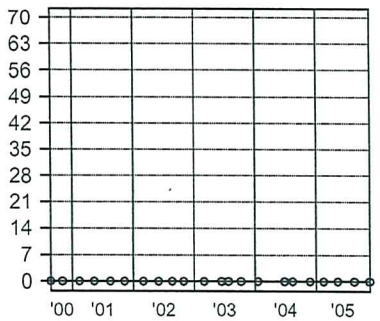
LEAD
(ug/L)



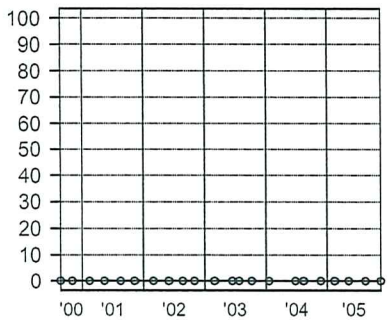
BENZENE
(ug/L)



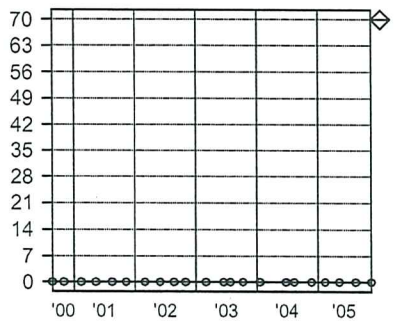
XYLENE
(ug/L)



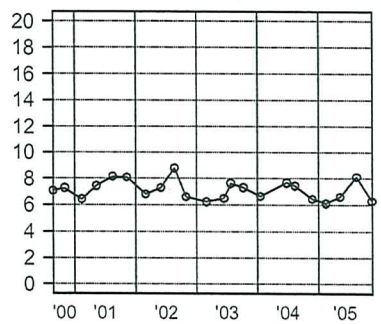
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 11/17/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	10	1	NLE	NLE	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V,Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/16/2005

NOTES:

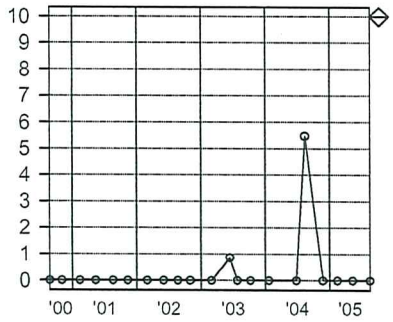
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

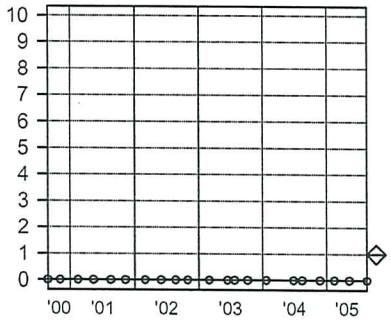
Source 7 of 7

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

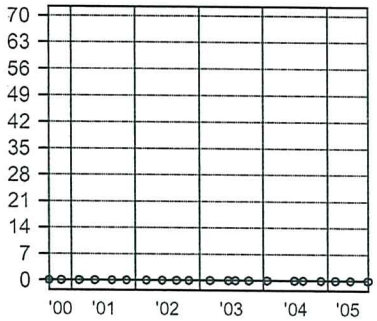
LEAD
(ug/L)



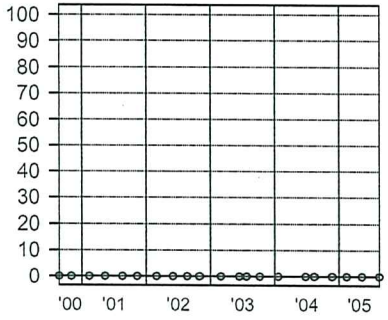
BENZENE
(ug/L)



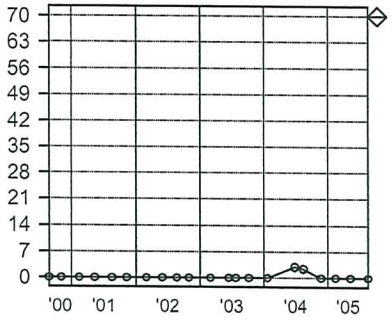
XYLENE
(ug/L)



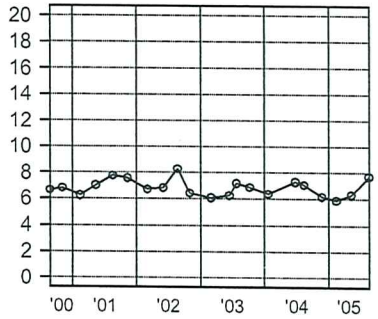
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/16/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

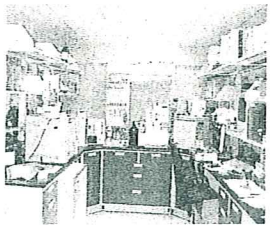
Source 7 of 7, Graph

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

01-03-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6006604	2567MW01	29-26925	01/30/06
6006605	2567MW02	29-26926	01/30/06
6006606	2567MW03	29-26947	01/30/06
6006607	2567MW04	29-26948	01/30/06
6006608	2567MW05	29-31783	01/30/06
6006609	2567MW06	29-42585	01/30/06
6006610	2567MW07	29-42586	01/30/06

NJDEP Laboratory Certification # 13461

3-1-06
Daniel Wright/Date:
Laboratory Director

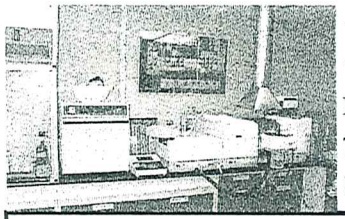
The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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: /TVS WALTER FUNK

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA + 15	PB							Comments: Remarks / Preservation Method
00066:01	2567 TRIP BLANK	1-30-06	10:00	AQ	2	X								
.02	2567 FIELD BLANK	1-30-06	12:30	AQ	3	X	X							
.03	2567 DUP	1-30-06	——	AQ	3	X	X							
.04	2567 MW#1 *	1-30-06	13:05	AQ	3	X	X							29-26925
.05	2567 MW#2	1-30-06	12:55	AQ	3	X	X							29-26926
.06	2567 MW#3	1-30-06	13:15	AQ	3	X	X							29-26927
.07	2567 MW#4	1-30-06	12:45	AQ	3	X	X							29-26928
.08	2567 MW#5	1-30-06	14:40	AQ	3	X	X							29-31783
.09	2567 MW#6	1-30-06	15:20	AQ	3	X	X							29-42585
.10	2567 MW#7	1-30-06	15:00	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	1/30/06 15:45				
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.XLS 1/12/2006

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.30 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.80 ft
(9.80) X .65 X 3 = 19.11
GALLONS OF H_2O TO BE PURGED: 20 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: 11:33
pH 6.14 su — TEMP 11.24 °C
DISSOLVED O_2 1.86 mg/L — SPECIFIC CONDUCTIVITY 1121.0 µs/cm

PURGE END TIME: 13:00
pH 6.21 su — TEMP 10.86 °C
DISSOLVED O_2 4.34 mg/L — SPECIFIC CONDUCTIVITY 1036.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.78 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 13:05
pH 6.36 su — TEMP 10.52 °C
DISSOLVED O_2 0.32 mg/L — SPECIFIC CONDUCTIVITY 1137.0 µs/cm

SAMPLE END TIME: 13:05

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.02 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.18 ft
(9.18) X .65 X 3 = 17.90
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: 11:21
pH 6.08 su
TEMP 12.78 °C
DISSOLVED O_2 1.44 mg/L
SPECIFIC CONDUCTIVITY 1216.0 µs/cm

PURGE END TIME: 12:39
pH 5.32 su
TEMP 12.41 °C
DISSOLVED O_2 4.65 mg/L
SPECIFIC CONDUCTIVITY 1283.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.86 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:55
pH 5.93 su
TEMP 12.37 °C
DISSOLVED O_2 0.66 mg/L
SPECIFIC CONDUCTIVITY 1314.0 µs/cm

SAMPLE END TIME: 12:55

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.74 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.76 ft
(9.76) X .65 X 3 = 19.03
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:41
pH 6.55 su — TEMP 12.01 °C
DISSOLVED O_2 2.04 mg/L — SPECIFIC CONDUCTIVITY 1316.0 µs/cm

PURGE END TIME: 13:04
pH 6.35 su — TEMP 11.61 °C
DISSOLVED O_2 1.87 mg/L — SPECIFIC CONDUCTIVITY 1239.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.89 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:15
pH 6.36 su — TEMP 11.68 °C
DISSOLVED O_2 0.30 mg/L — SPECIFIC CONDUCTIVITY 1293.0 µs/cm

SAMPLE END TIME: 13:15

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.02 ft
DEPTH OF WELL: 11.66 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 H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:09
pH 6.36 su — TEMP 9.75 °C
DISSOLVED O_2 4.17 mg/L — SPECIFIC CONDUCTIVITY 1010.0 µs/cm

PURGE END TIME: 12:32
pH 5.65 su — TEMP 10.28 °C
DISSOLVED O_2 6.57 mg/L — SPECIFIC CONDUCTIVITY 1121.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.88 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:45
pH 5.06 su — TEMP 9.36 °C
DISSOLVED O_2 0.47 mg/L — SPECIFIC CONDUCTIVITY 1092.0 µs/cm

SAMPLE END TIME: 12:45

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.03 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.72 ft
(8.72) X .65 X 3 = 17.00
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: 13:16
pH 6.41 su
TEMP 10.01 °C
DISSOLVED O_2 7.38 mg/L
SPECIFIC CONDUCTIVITY 1101.0 µs/cm

PURGE END TIME: 14:30
pH 6.49 su
TEMP 9.46 °C
DISSOLVED O_2 5.82 mg/L
SPECIFIC CONDUCTIVITY 1306.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.03 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 14:40
pH 6.09 su
TEMP 9.50 °C
DISSOLVED O_2 5.55 mg/L
SPECIFIC CONDUCTIVITY 1272.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.56 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.18 ft
(9.18) X .65 X 3 = 17.90
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: 14:00
pH 4.15 su — TEMP 9.69 °C
DISSOLVED O_2 6.71 mg/L — SPECIFIC CONDUCTIVITY 1156.0 µs/cm

PURGE END TIME: 15:18
pH 4.81 su — TEMP 9.51 °C
DISSOLVED O_2 4.37 mg/L — SPECIFIC CONDUCTIVITY 1188.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.89 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:20
pH 4.18 su — TEMP 9.38 °C
DISSOLVED O_2 1.55 mg/L — SPECIFIC CONDUCTIVITY 1202.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/30/06
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.30 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.20 ft
(10.20) X .65 X 3 = 19.89
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:29
pH 5.53 su
TEMP 10.07 °C
DISSOLVED O_2 2.61 mg/L
SPECIFIC CONDUCTIVITY 1016.0 µs/cm

PURGE END TIME: 14:56
pH 5.83 su
TEMP 9.96 °C
DISSOLVED O_2 2.72 mg/L
SPECIFIC CONDUCTIVITY 1286.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.54 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 15:00
pH 5.90 su
TEMP 10.01 °C
DISSOLVED O_2 1.78 mg/L
SPECIFIC CONDUCTIVITY 1114.0 µs/cm

SAMPLE END TIME: 15:00

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	VB021661.D	Sample Name	MB 08Feb2006
Operator	Skelton	Field ID	MB 08Feb2006
Date Acquired	8 Feb 2006 4:53 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	11.94	49199	3.82 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 08Feb2006**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 08Feb2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021661.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. Date Analyzed: 2/8/2006

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.	unknown	5.11	10	J
2. 000079-20-9	Acetic acid, methyl ester	12.43	32	JN
3. 001112-39-6	Silane, dimethoxydimethyl-	17.37	6	JN

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

Data File	VB021666.D	Sample Name	6006601
Operator	Skelton	Field ID	Trip Blank
Date Acquired	8 Feb 2006 8:17 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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021666.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. Date Analyzed: 2/8/2006

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	12.47	8	JN

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

Data File	VB021667.D	Sample Name	6006602
Operator	Skelton	Field ID	Field Blank
Date Acquired	8 Feb 2006 8:57 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021667.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. Date Analyzed: 2/8/2006

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	12.47	8	JN

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

Data File	VB021668.D	Sample Name	6006603
Operator	Skelton	Field ID	Dupe
Date Acquired	8 Feb 2006 9:38 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.23 ug/L	5.00 ug/L	
75650	tert-Butyl alcohol	13.09	416914	439.19 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.74	66572	1.38 ug/L	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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021668.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. Date Analyzed: 2/8/2006

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	12.47	8	JN

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

Data File	VB021669.D	Sample Name	6006604
Operator	Skelton	Field ID	2567MW#1
Date Acquired	8 Feb 2006 10:19 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	13.11	314087	331.46 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.74	81118	1.68 ug/L	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	11.69	13063	0.40 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: **2567MW#1**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021669.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. Date Analyzed: 2/8/2006

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	12.47	8	JN

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

Data File	VB021670.D	Sample Name	6006605
Operator	Skelton	Field ID	2567MW#2
Date Acquired	8 Feb 2006 11:00 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	11.67	16707	0.51 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: **2567MW#2**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006605

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021670.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. _____ Date Analyzed: 2/8/2006

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. 000079-20-9	Acetic acid, methyl ester	12.47	7	JN
2. 000496-11-7	Indane	30.51	6	JN

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

Data File	VB021671.D	Sample Name	6006606
Operator	Skelton	Field ID	2567MW#3
Date Acquired	8 Feb 2006 11:41 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	13.14	74574	73.77 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.74	123404	2.39 ug/L	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: **2567MW#3**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006606

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021671.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. Date Analyzed: 2/8/2006

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.	unknown	6.69	17	J
2. 000109-66-0	Pentane	7.44	7	JN
3. 000079-29-8	Butane, 2,3-dimethyl-	10.69	8	JN
4.	unknown	10.79	15	J
5. 000096-14-0	Pentane, 3-methyl-	11.67	13	JN
6. 000079-20-9	Acetic acid, methyl ester	12.47	6	JN
7. 000096-37-7	Cyclopentane, methyl-	14.49	31	JN
8. 000098-82-8	Benzene, (1-methylethyl)-	27.44	6	JN
9. 000103-65-1	Benzene, propyl-	28.24	6	JN
10. 000496-11-7	Indane	30.51	10	JN

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

Data File	VB021672.D	Sample Name	6006607
Operator	Skelton	Field ID	2567MW#4
Date Acquired	9 Feb 2006 12:21 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#4**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006607

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021672.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. _____ Date Analyzed: 2/9/2006

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	12.47	8	JN

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

Data File	VB021673.D	Sample Name	6006608
Operator	Skelton	Field ID	2567MW#5
Date Acquired	9 Feb 2006 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	2.01 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#5**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006608

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021673.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. _____ Date Analyzed: 2/9/2006

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	12.47	8	JN

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

Data File	VB021674.D	Sample Name	6006609
Operator	Skelton	Field ID	2567MW#6
Date Acquired	9 Feb 2006 1:43 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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2/23/2006 2:14 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#6**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006609

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021674.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. _____ Date Analyzed: 2/9/2006

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	12.47	7	JN

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

Data File	VB021675.D	Sample Name	6006610
Operator	Skelton	Field ID	2567MW#7
Date Acquired	9 Feb 2006 2:24 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#7**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60066 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6006610

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB021675.D

Level: (low/med) LOW Date Received: 1/30/2006

% Moisture: not dec. _____ Date Analyzed: 2/9/2006

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	12.47	7	JN

LEAD

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

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

Lab ID #: 60066
Sample Received: 01/30/06
Analysis Start: 02/01/06
Analysis Completed: 02/01/06

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
6006602	2567 Field Blank	ND	5.0	1.00	5.00
6006603	2567 Dup	ND	5.0	1.00	5.00
6006604	2567 MW 01	ND	5.0	1.00	5.00
6006605	2567 MW 02	ND	5.0	1.00	5.00
6006606	2567 MW 03	ND	5.0	1.00	5.00
6006607	2567 MW 04	ND	5.0	1.00	5.00
6006608	2567 MW 05	8.76	5.0	1.00	5.00
6006609	2567 MW 06	ND	5.0	1.00	5.00
6006610	2567 MW 07	ND	5.0	1.00	5.00
Method Blank	Method Blank	ND	5.0	1.00	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit. Note.

LTM

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	ENV PRO	4	4400	2200	-						-
10/26/1992	ENV PRO	ND	5400	1200	-						-
10/26/1992D	ENV PRO	ND	7000	1500	-						-
04/21/1993	21st CEN	70	470	890	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	ND	28	650	-						-
03/31/1994	21st CEN	ND	22	10	-						-
06/14/1994	21st CEN	ND	120	88	-						-
09/15/1994	21st CEN	ND	600	56	-						-
05/25/1995	EMSL	ND	930	110	-						-
08/15/1995	EMSL	3.3	930	29	-						-
11/21/1995	EMSL	ND	860	80	-						-
02/20/1996	EMSL	4	780	100	-						-
06/13/1996	FMETL	1.2	ND	ND	-						-
09/27/1996	FMETL	ND	ND	ND	-						-
04/11/1997	FMETL	2.5	ND	ND	3.80						V,Pb
08/28/1997	FMETL	1.4	ND	240	4.80						V,Pb
12/02/1997	FMETL	7.0	357	20.3	3.90						V,S,P,M
03/04/1998	FMETL	ND	560	37	3.51						V,S,P,M
06/01/1998	FMETL	0.5	95.63	24.23	4.06						V,Pb
09/24/1998	FMETL	ND	283	10.02	5.21						V,Pb
12/09/1998	FMETL	ND	143.26	3.43	4.90						V,Pb
02/24/1999	FMETL	ND	675	26.15	3.75						V,Pb
05/29/1999	FMETL	ND	605.1	9.16	4.20						V,Pb
07/21/1999	FMETL	ND	155.56	3.33	5.48						V,Pb
10/21/1999	FMETL	1.3	497.3	4.8	4.03						V,Pb
02/14/2000	FMETL	1.31	992	8.2	3.31						V,Pb
05/15/2000	FMETL	ND	458.88	5.24	4.04						V,Pb
08/22/2000	FMETL	ND	218.42	1.20	3.87						V,Pb
11/01/2000	FMETL	ND	ND	15.04	4.24						V,Pb
11/01/2000D	FMETL	ND	ND	15.33	4.24						V,Pb
02/09/2001	FMETL	ND	1488.05	4.83	3.30						V,Pb
05/08/2001	FMETL	0.93	764.25	2.10	4.15						V, Pb
08/15/2001	FMETL	ND	248.74	ND	4.95						V, Pb
08/15/2001D	FMETL	ND	457.64	1.54	4.95						V, Pb
11/09/2001	FMETL	ND	ND	1.09	5.11						V, Pb
02/26/2002	FMETL	ND	859.38	1.61	3.95						V, Pb
05/28/2002	FMETL	ND	331.75	ND	4.09						V, Pb
08/20/2002	FMETL	ND	441.16	ND	5.45						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
10/29/2002	FMETL	1.22	259.69	ND	3.62						V, Pb
02/26/2003	FMETL	1.40	828.6	2.05	3.11						V, Pb
06/11/2003	FMETL	ND	186.42	1.78	3.35						V, Pb
07/22/2003	FMETL	ND	205.86	1.93	4.39						V, Pb
10/07/2003	FMETL	ND	175.48	ND	4.23						V, Pb
01/16/2004	FMETL	ND	224.08	2.08	3.60						V, Pb
06/22/2004	FMETL	ND	283.26	7.79	4.51						V, Pb
08/12/2004	FMETL	ND	150.65	2.75	4.11						V, Pb
11/24/2004	FMETL	ND	478.49	0.72	3.54						V, Pb
02/11/2005	FMETL	ND	128.03	ND	3.29						V, Pb
05/06/2005	FMETL	ND	200.1	ND	3.50						V, Pb
08/16/2005	FMETL	ND	ND	ND	5.01						V, Pb
11/17/2005	FMETL	ND	377.47	ND	3.49						V, Pb
01/30/2006	FMETL	ND	331.46	1.68	3.30						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

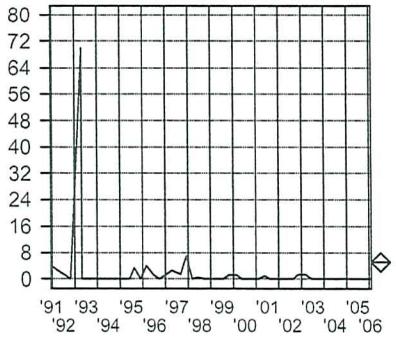
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

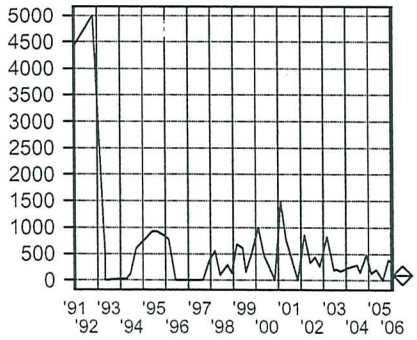
Source 1 of 7 (cont.)

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

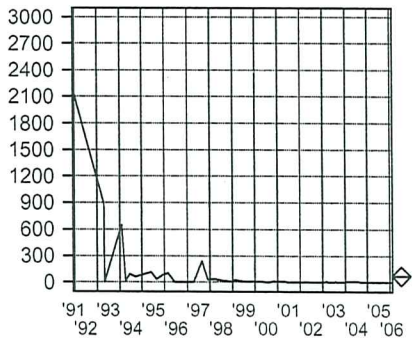
LEAD
(ug/L)



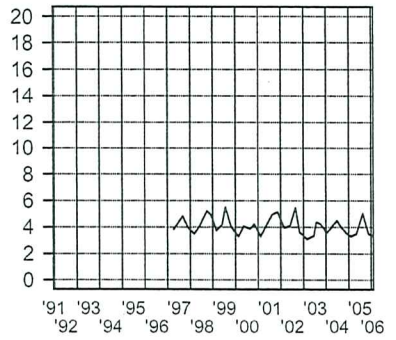
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	ENV PRO	ND	ND	ND	-						-
10/26/1992	ENV PRO	11	ND	ND	-						-
04/21/1993	ENV PRO	ND	ND	ND	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	260	ND	7.0	-						-
03/31/1994	21st CEN	ND	ND	11	-						-
06/14/1994	21st CEN	ND	ND	11	-						-
09/15/1994	21st CEN	ND	ND	4.1	-						-
05/25/1995	EMSL	ND	ND	3.1	-						-
08/15/1995	EMSL	5.6	ND	2.5	-						-
11/21/1995	EMSL	ND	ND	1.6	-						-
02/20/1996	EMSL	ND	ND	2	-						-
06/13/1996	FMETL	ND	ND	ND	-						-
09/27/1996	FMETL	1.2	ND	ND	-						-
04/11/1997	FMETL	10.7	ND	ND	3.40						V,Pb
08/28/1997	FMETL	ND	ND	ND	4.30						V,Pb
12/02/1997	FMETL	20	ND	ND	3.45						V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	2.92						V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	3.59						V,Pb
09/24/1998	FMETL	ND	ND	ND	4.73						V,Pb
12/09/1998	FMETL	ND	ND	ND	3.42						V,Pb
02/24/1999	FMETL	ND	ND	ND	3.38						V,Pb
05/29/1999	FMETL	ND	ND	ND	3.83						V,Pb
07/21/1999	FMETL	ND	ND	ND	5.03						V,Pb
10/21/1999	FMETL	1.2	ND	ND	3.65						V,Pb
02/14/2000	FMETL	1.49	ND	ND	3.00						V,Pb
05/15/2000	FMETL	ND	ND	ND	3.77						V,Pb
08/22/2000	FMETL	ND	ND	ND	3.51						V,Pb
11/01/2000	FMETL	ND	ND	ND	4.15						V,Pb
02/09/2001	FMETL	ND	ND	ND	2.75						V,Pb
05/08/2001	FMETL	1.02	ND	ND	3.95						V, Pb
08/15/2001	FMETL	ND	ND	ND	4.65						V, Pb
11/09/2001	FMETL	ND	ND	ND	4.81						V, Pb
11/09/2001D	FMETL	ND	ND	ND	4.81						V, Pb
02/26/2002	FMETL	ND	ND	ND	3.86						V, Pb
05/28/2002	FMETL	ND	ND	ND	3.83						V,Pb
08/20/2002	FMETL	ND	ND	ND	5.13						V, Pb
10/29/2002	FMETL	2.47	ND	ND	3.32						V, Pb
02/26/2003	FMETL	ND	ND	ND	2.71						V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
06/11/2003	FMETL	ND	ND	ND	3.00						V, Pb
07/22/2003	FMETL	5.20	ND	ND	3.91						V, Pb
10/07/2003	FMETL	0.831	ND	ND	3.89						V, Pb
01/16/2004	FMETL	ND	ND	ND	3.42						V, Pb
06/22/2004	FMETL	ND	ND	ND	4.12						V, Pb
08/12/2004	FMETL	ND	ND	ND	3.85						V, Pb
11/24/2004	FMETL	ND	ND	ND	3.19						V, Pb
02/11/2005	FMETL	ND	ND	ND	2.70						V, Pb
05/06/2005	FMETL	ND	ND	ND	3.09						V, Pb
08/16/2005	FMETL	ND	ND	ND	4.58						V, Pb
11/17/2005	FMETL	ND	ND	ND	3.49						V, Pb
01/30/2006	FMETL	ND	ND	ND	3.02						V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

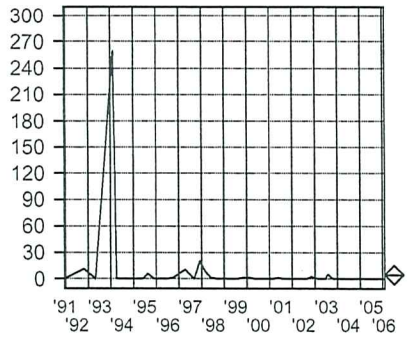
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

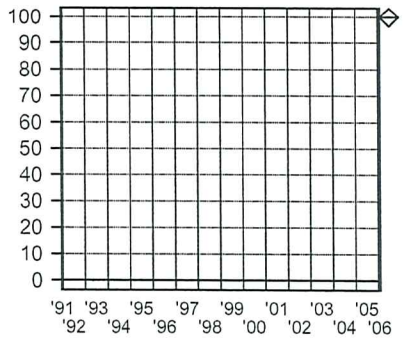
Source 2 of 7 (cont.)

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

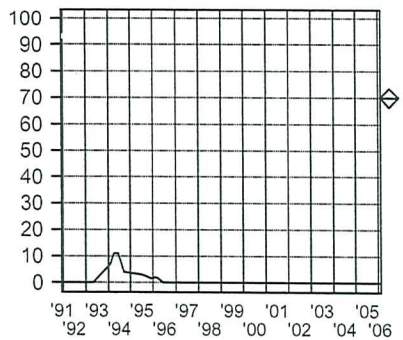
LEAD
(ug/L)



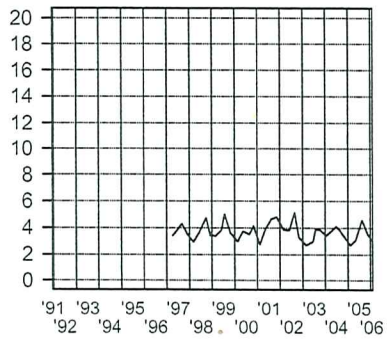
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	ENV PRO	ND	ND	69	-						-
10/26/1992	ENV PRO	5	ND	ND	-						-
04/21/1993	ENV PRO	60	ND	27	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	41	ND	9.1	-						-
03/31/1994	21st CEN	25	ND	ND	-						-
06/14/1994	21st CEN	3	ND	100	-						-
09/15/1994	21st CEN	ND	ND	61	-						-
05/25/1995	EMSL	2.7	ND	400	-						-
08/15/1995	EMSL	ND	ND	670	-						-
11/21/1995	EMSL	ND	46	360	-						-
02/20/1996	EMSL	6	43	250	-						-
06/13/1996	FMETL	0.7	ND	ND	-						-
09/27/1996	FMETL	6.2	ND	ND	-						-
04/11/1997	FMETL	1.8	ND	ND	3.15						V,Pb
08/28/1997	FMETL	ND	940	62	4.00						V,Pb
12/02/1997	FMETL	10	ND	188	3.10						V,S,P,M
03/04/1998	FMETL	ND	ND	102	2.48						V,S,P,M
06/19/1998	FMETL	ND	27.52	81.82	3.99						V,Pb
09/25/1998	FMETL	ND	ND	27.27	4.56						V,Pb
12/16/1998	FMETL	ND	19.38	20.54	4.25						V,Pb
02/24/1999	FMETL	1.0	ND	3.3	3.16						V,Pb
05/29/1999	FMETL	ND	ND	26.34	3.55						V,Pb
07/21/1999	FMETL	ND	ND	8.98	4.85						V,Pb
10/21/1999	FMETL	1.3	ND	13.08	3.93						V,Pb
02/14/2000	FMETL	1.22	ND	3.78	3.42						V,Pb
05/15/2000	FMETL	ND	ND	9.35	3.40						V,Pb
08/22/2000	FMETL	ND	ND	5.36	3.17						V,Pb
11/01/2000	FMETL	ND	ND	20.24	3.56						V,Pb
02/09/2001	FMETL	ND	ND	1.96	2.50						V,Pb
05/08/2001	FMETL	0.96	ND	11.95	3.40						V, Pb
08/15/2001	FMETL	ND	67.42	17.8	4.30						V, Pb
11/09/2001	FMETL	ND	ND	5.51	4.30						V, Pb
02/26/2002	FMETL	ND	31.59	4.14	3.29						V, Pb
05/28/2002	FMETL	ND	ND	3.13	3.40						V,Pb
08/20/2002	FMETL	ND	ND	ND	4.03						V, Pb
10/29/2002	FMETL	ND	ND	2.37	2.98						V, Pb
02/26/2003	FMETL	ND	ND	3.64	2.39						V, Pb
06/11/2003	FMETL	ND	ND	ND	2.55						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
07/22/2003	FMETL	0.983	ND	6.82	3.81						V, Pb
10/07/2003	FMETL	ND	13.51	4.56	3.52						V, Pb
01/16/2004	FMETL	ND	ND	ND	2.95						V, Pb
06/22/2004	FMETL	ND	ND	15.45	3.75						V, Pb
08/12/2004	FMETL	ND	66.83	9.66	3.61						V, Pb
11/24/2004	FMETL	ND	ND	ND	2.98						V, Pb
02/11/2005	FMETL	ND	51.21	2.88	2.45						V, Pb
05/06/2005	FMETL	ND	90.78	8.64	2.77						V, Pb
08/16/2005	FMETL	ND	ND	8.17	4.30						V, Pb
11/17/2005	FMETL	ND	69.30	2.23	2.98						V, Pb
01/30/2006	FMETL	ND	73.77	2.39	2.74						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

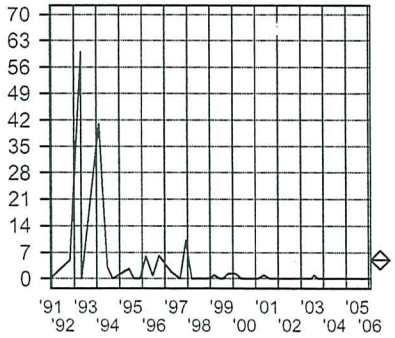
New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

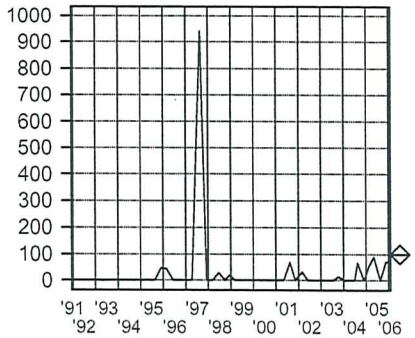
GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

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

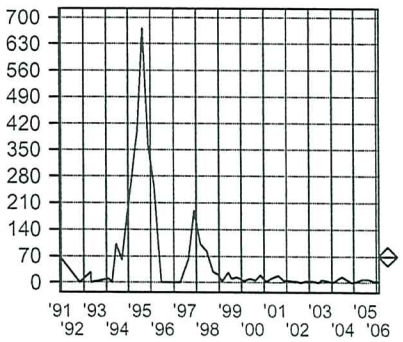
LEAD
(ug/L)



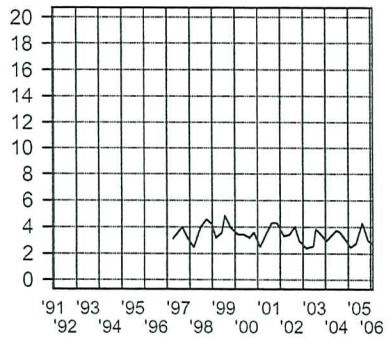
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	EMSL	5	ND	ND	-						-
10/26/1992	ENV PRO	ND	ND	ND	-						-
04/21/1993	ENV PRO	ND	ND	ND	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	ND	ND	ND	-						-
03/31/1994	21st CEN	ND	ND	1.3	-						-
06/14/1994	21st CEN	ND	ND	ND	-						-
09/15/1994	21st CEN	ND	ND	ND	-						-
05/25/1995	EMSL	ND	ND	ND	-						-
08/15/1995	EMSL	2.6	ND	ND	-						-
11/21/1995	EMSL	ND	ND	ND	-						-
02/20/1996	EMSL	ND	ND	ND	-						-
06/13/1996	FMETL	1.8	-	-	-						-
09/27/1996	FMETL	ND	-	-	-						-
04/11/1997	FMETL	2.3	-	-	2.55						V,Pb
08/28/1997	FMETL	ND	-	-	3.20						V,Pb
12/02/1997	FMETL	9.0	-	-	2.45						V,S,P,M
03/04/1998	FMETL	ND	-	-	2.11						V,S,P,M
06/19/1998	FMETL	ND	-	-	2.33						V,Pb
09/24/1998	FMETL	ND	-	-	3.55						V,Pb
12/12/1998	FMETL	ND	-	-	3.11						V,Pb
02/24/1999	FMETL	ND	-	-	2.44						V,Pb
05/29/1999	FMETL	ND	ND	ND	2.76						V,Pb
07/21/1999	FMETL	ND	ND	ND	3.98						V,Pb
10/21/1999	FMETL	1.2	ND	ND	2.37						V,Pb
02/14/2000	FMETL	1.4	ND	ND	1.69						V,Pb
05/15/2000	FMETL	ND	ND	ND	2.65						V,Pb
05/15/2000D	FMETL	ND	ND	ND	2.65						V,Pb
08/22/2000	FMETL	ND	ND	ND	2.49						V,Pb
08/22/2000D	FMETL	ND	ND	ND	2.49						V,Pb
11/01/2000	FMETL	ND	ND	ND	2.91						V,Pb
02/09/2001	FMETL	ND	ND	ND	1.99						V,Pb
02/09/2001D	FMETL	ND	ND	ND	1.99						V,Pb
05/08/2001	FMETL	ND	ND	ND	2.68						V, Pb
05/08/2001D	FMETL	1.26	ND	ND	2.68						V, Pb
08/15/2001	FMETL	2.2	ND	ND	3.50						V, Pb
11/09/2001	FMETL	ND	ND	ND	3.65						V, Pb
02/26/2002	FMETL	ND	ND	ND	2.71						V, Pb
05/28/2002	FMETL	ND	ND	ND	2.83						V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
08/20/2002	FMETL	ND	ND	ND	3.96						V, Pb
10/29/2002	FMETL	ND	ND	ND	2.26						V, Pb
02/26/2003	FMETL	ND	ND	ND	1.84						V, Pb
06/11/2003	FMETL	2.26	ND	ND	2.15						V, Pb
07/22/2003	FMETL	1.22	ND	ND	2.62						V, Pb
10/07/2003	FMETL	ND	ND	ND	2.75						V, Pb
01/16/2004	FMETL	ND	ND	ND	2.37						V, Pb
06/22/2004	FMETL	ND	ND	ND	3.15						V, Pb
08/12/2004	FMETL	ND	ND	ND	2.80						V, Pb
11/24/2004	FMETL	ND	ND	ND	2.08						V, Pb
02/11/2005	FMETL	ND	ND	ND	1.67						V, Pb
05/06/2005	FMETL	ND	ND	ND	2.09						V, Pb
08/16/2005	FMETL	ND	ND	ND	3.51						3.V, Pb
11/17/2005	FMETL	8.84	ND	ND	1.93						V, Pb
01/30/2006	FMETL	ND	ND	ND	2.02						V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

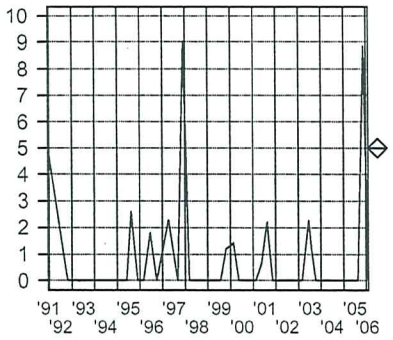
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

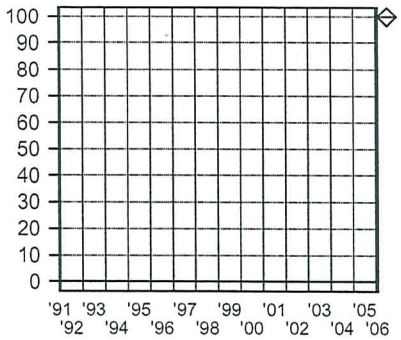
Source 4 of 7 (cont.)

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

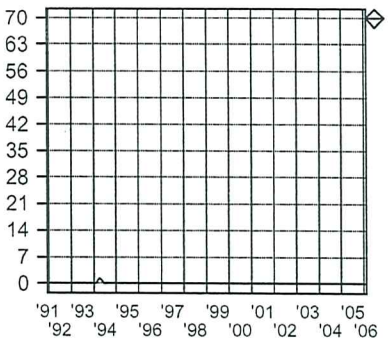
LEAD
(ug/L)



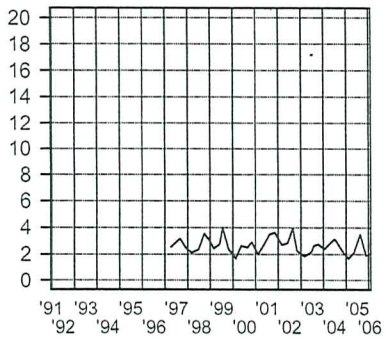
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

03-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
05/25/1995	EMSL	4.0	ND	ND	-						-
08/15/1995	EMSL	ND	ND	ND	-						-
11/21/1995	EMSL	ND	ND	ND	-						-
02/20/1996	EMSL	ND	ND	ND	-						-
09/27/1996	FMETL	ND	-	-	-						-
04/11/1997	FMETL	2.7	-	-	7.20						V,Pb
08/28/1997	FMETL	ND	-	-	7.50						V,Pb
12/02/1997	FMETL	7.0	-	-	7.20						V,S,P,M
03/04/1998	FMETL	ND	-	-	7.30						V,S,P,M
06/01/1998	FMETL	ND	-	-	7.55						V,Pb
09/25/1998	FMETL	ND	-	-	7.59						V,Pb
12/16/1998	FMETL	ND	-	-	7.34						V,Pb
02/24/1999	FMETL	ND	-	-	8.16						V,Pb
06/08/1999	FMETL	ND	ND	ND	7.33						V,Pb
07/21/1999	FMETL	ND	ND	ND	7.87						V,Pb
10/21/1999	FMETL	4.4	ND	ND	8.57						V,Pb
02/14/2000	FMETL	1.21	ND	ND	5.75						V,Pb
05/15/2000	FMETL	ND	ND	ND	6.92						V,Pb
08/22/2000	FMETL	1.6	ND	ND	6.73						V,Pb
11/01/2000	FMETL	2.4	ND	ND	7.16						V,Pb
02/09/2001	FMETL	ND	ND	ND	5.26						V,Pb
05/08/2001	FMETL	4.53	ND	ND	7.47						V, Pb
08/15/2001	FMETL	8.4	ND	ND	7.70						V, Pb
11/09/2001	FMETL	9.7	ND	ND	7.83						V, Pb
02/26/2002	FMETL	6.5	ND	ND	6.95						V, Pb
05/28/2002	FMETL	3.60	ND	ND	5.91						V,Pb
08/20/2002	FMETL	32.3	ND	ND	8.03						V, Pb
10/29/2002	FMETL	49.5	ND	ND	5.95						V, Pb
02/26/2003	FMETL	3.57	ND	ND	5.37						V, Pb
06/11/2003	FMETL	43.9	ND	ND	5.78						V, Pb
07/22/2003	FMETL	22.1	ND	ND	7.30						V, Pb
10/07/2003	FMETL	22.1	ND	ND	7.17						V, Pb
01/16/2004	FMETL	ND	ND	ND	6.93						V, Pb
06/22/2004	FMETL	ND	ND	ND	5.79						V, Pb
08/12/2004	FMETL	ND	ND	ND	5.23						V, Pb
11/24/2004	FMETL	22.4	ND	ND	6.44						V, Pb
02/11/2005	FMETL	11.5	ND	ND	5.79						V, P
05/09/2005	FMETL	27.9	ND	ND	6.56						V, Pb
08/16/2005	FMETL	14.0	ND	ND	7.91						V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
11/17/2005	FMETL	11.2	ND	ND	5.62						V, Pb
01/30/2006	FMETL	8.76	ND	ND	6.03						V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

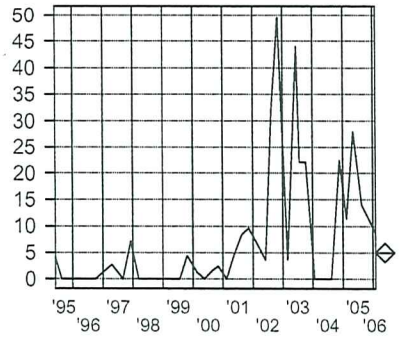
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

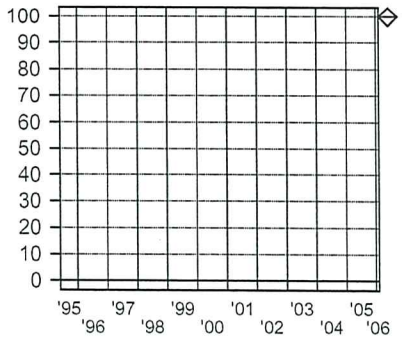
Source 5 of 7 (cont.)

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

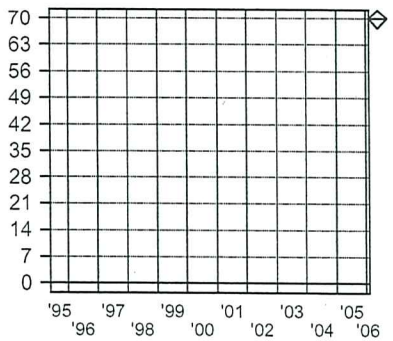
LEAD
(ug/L)



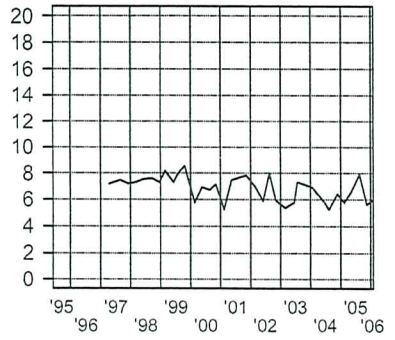
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
08/22/2000	FMETL	ND	ND	ND	7.06						V,Pb
11/01/2000	FMETL	ND	ND	ND	7.26						V,Pb
02/09/2001	FMETL	ND	ND	ND	6.44						V,Pb
05/08/2001	FMETL	1.48	ND	ND	7.42						V, Pb
08/15/2001	FMETL	ND	ND	ND	8.15						V, Pb
11/09/2001	FMETL	ND	ND	ND	8.09						V, Pb
02/26/2002	FMETL	ND	ND	ND	6.82						V, Pb
05/28/2002	FMETL	ND	ND	ND	7.29						V,Pb
08/20/2002	FMETL	1.32	ND	ND	8.78						V, Pb
10/29/2002	FMETL	ND	ND	ND	6.62						V, Pb
02/26/2003	FMETL	ND	ND	ND	6.24						V, Pb
06/11/2003	FMETL	ND	ND	ND	6.50						V, Pb
07/22/2003	FMETL	ND	ND	ND	7.61						V, Pb
10/07/2003	FMETL	ND	ND	ND	7.31						V, Pb
01/16/2004	FMETL	ND	ND	ND	6.65						V, Pb
06/22/2004	FMETL	ND	ND	ND	7.67						V, Pb
08/12/2004	FMETL	ND	ND	ND	7.46						V, Pb
11/24/2004	FMETL	ND	ND	ND	6.45						V, Pb
02/11/2005	FMETL	ND	ND	ND	6.11						V, Pb
05/06/2005	FMETL	22.4	ND	ND	6.61						V, Pb
08/16/2005	FMETL	ND	ND	ND	8.13						V, Pb
11/17/2005	FMETL	ND	ND	ND	6.29						V, Pb
01/30/2006	FMETL	ND	ND	ND	6.56						V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

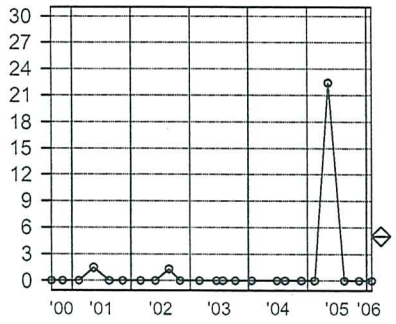
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

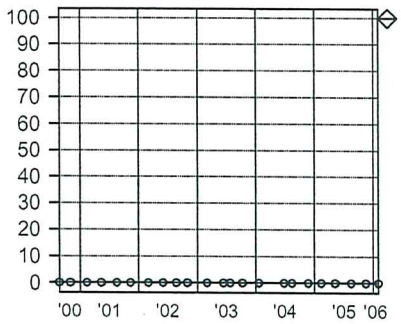
Source 6 of 7

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

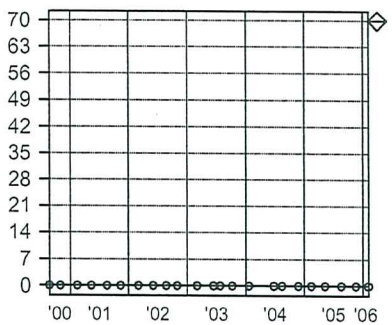
LEAD
(ug/L)



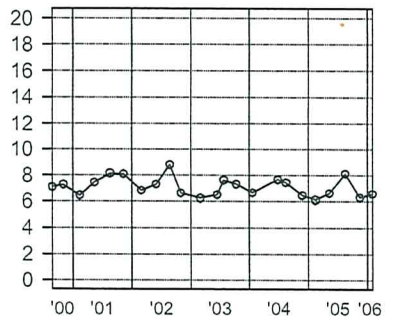
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

03-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
08/22/2000	FMETL	ND	ND	ND	6.65						V,Pb
11/02/2000	FMETL	ND	ND	ND	6.80						V,Pb
02/09/2001	FMETL	ND	ND	ND	6.23						V,Pb
05/08/2001	FMETL	ND	ND	ND	7.02						V, Pb
08/15/2001	FMETL	ND	ND	ND	7.75						V, Pb
11/09/2001	FMETL	ND	ND	ND	7.56						V, Pb
02/26/2002	FMETL	ND	ND	ND	6.71						V, Pb
05/28/2002	FMETL	ND	ND	ND	6.83						V,Pb
08/20/2002	FMETL	ND	ND	ND	8.28						V, Pb
10/29/2002	FMETL	ND	ND	ND	6.40						V, Pb
02/26/2003	FMETL	ND	ND	ND	6.07						V, Pb
06/11/2003	FMETL	0.855	ND	ND	6.26						V, Pb
07/22/2003	FMETL	ND	ND	ND	7.19						V, Pb
10/07/2003	FMETL	ND	ND	ND	6.88						V, Pb
01/16/2004	FMETL	ND	ND	ND	6.37						V, Pb
06/22/2004	FMETL	ND	ND	2.98	7.32						V, Pb
08/12/2004	FMETL	5.47	ND	2.51	7.10						V, Pb
11/24/2004	FMETL	ND	ND	ND	6.17						V, Pb
02/11/2005	FMETL	ND	ND	ND	5.88						V, Pb
05/06/2005	FMETL	ND	ND	ND	6.30						V, Pb
08/16/2005	FMETL	ND	ND	ND	7.73						V, Pb
01/30/2006	FMETL	ND	ND	ND	6.30						V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 01/30/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

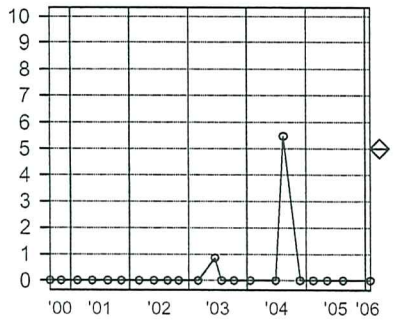
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

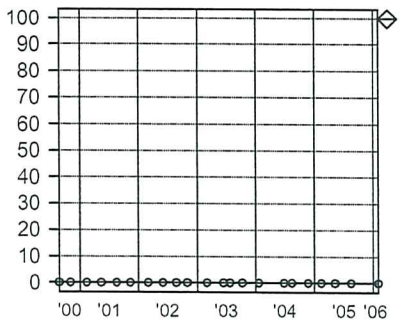
Source 7 of 7

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

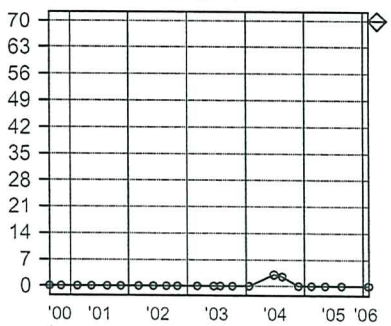
LEAD
(ug/L)



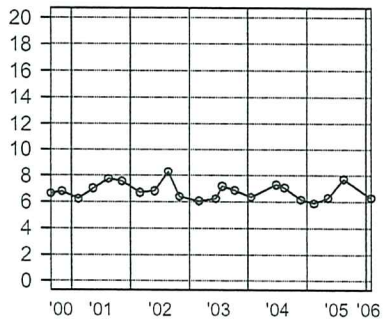
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 01/30/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

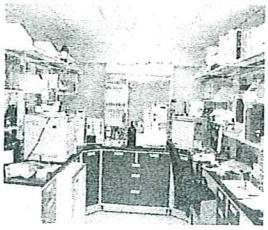
Source 7 of 7, Graph

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

03-01-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6017704	2567MW01	29-26925	04/26/06
6017705	2567MW02	29-26926	04/26/06
6017706	2567MW03	29-26947	04/26/06
6017707	2567MW04	29-26948	04/26/06
6017708	2567MW05	29-31783	04/26/06
6017709	2567MW06	29-42585	04/26/06
6017710	2567MW07	29-42586	04/26/06

NJDEP Laboratory Certification # 13461

5-26-06

Daniel Wright Date:
Laboratory Director

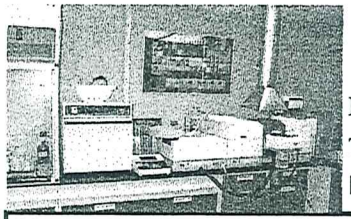
The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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: 2ND QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: /TVS WALTER FUNK

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Pb							Comments: Remarks / Preservation Method
60177.01	2567 TRIP BLANK	4-26-06	8:00	AQ	2	X								
.02	2567 FIELD BLANK	4-26-06	11:30	AQ	3	X	X							
.03	2567 DUP.	4-26-06	——	AQ	3	X	X							
.04	2567 MW#01	4-26-06	12:50	AQ	3	X	X							29-26925
.05	2567 MW#02 *	4-26-06	11:40	AQ	3	X	X							29-26926
.06	2567 MW#03	4-26-06	13:00	AQ	3	X	X							29-26947
.07	2567 MW#04	4-26-06	12:40	AQ	3	X	X							29-26948
.08	2567 MW#05	4-26-06	15:20	AQ	3	X	X							29-31783
.09	2567 MW#06	4-26-06	15:00	AQ	3	X	X							29-42585
.10	2567 MW#07	4-26-06	15:10	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	4/26/06 15:52				
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: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.43 ft
DEPTH OF WELL: 13.10 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: 0.00 ppm

PURGE START TIME: 11:24
pH 6.57 su — TEMP 12.80 °C
DISSOLVED O_2 2.32 mg/L — SPECIFIC CONDUCTIVITY 5834.0 µs/cm

PURGE END TIME: 12:47
pH 6.36 su — TEMP 13.23 °C
DISSOLVED O_2 5.66 mg/L — SPECIFIC CONDUCTIVITY 7268.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.12 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:50
pH 6.67 su — TEMP 13.17 °C
DISSOLVED O_2 0.30 mg/L — SPECIFIC CONDUCTIVITY 7597.0 µs/cm

SAMPLE END TIME: 12:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.09 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.11 ft
(9.11) X .65 X 3 = 17.76
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: 10:17
pH 6.68 su — TEMP 13.71 °C
DISSOLVED O_2 0.31 mg/L — SPECIFIC CONDUCTIVITY 2853.0 µs/cm

PURGE END TIME: 11:35
pH 6.59 su — TEMP 14.18 °C
DISSOLVED O_2 0.53 mg/L — SPECIFIC CONDUCTIVITY 3179.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.16 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:40
pH 6.47 su — TEMP 13.77 °C
DISSOLVED O_2 0.15 mg/L — SPECIFIC CONDUCTIVITY 3093.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.85 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.65 ft
(9.65) X .65 X 3 = 18.81
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:34
pH 7.06 su — TEMP 14.21 °C
DISSOLVED O_2 2.19 mg/L — SPECIFIC CONDUCTIVITY 2963.0 µs/cm

PURGE END TIME: 12:57
pH 6.72 su — TEMP 14.29 °C
DISSOLVED O_2 5.22 mg/L — SPECIFIC CONDUCTIVITY 9395.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.39 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:00
pH 6.63 su — TEMP 13.95 °C
DISSOLVED O_2 0.33 mg/L — SPECIFIC CONDUCTIVITY 8997.0 µs/cm

SAMPLE END TIME: 13:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.99 ft
DEPTH OF WELL: 11.66 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 H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:13
pH 6.62 su — TEMP 11.39 °C
DISSOLVED O_2 3.38 mg/L — SPECIFIC CONDUCTIVITY 2544.0 µs/cm

PURGE END TIME: 12:36
pH 6.14 su — TEMP 11.96 °C
DISSOLVED O_2 4.25 mg/L — SPECIFIC CONDUCTIVITY 5523.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.82 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:40
pH 5.70 su — TEMP 11.67 °C
DISSOLVED O_2 0.43 mg/L — SPECIFIC CONDUCTIVITY 5447.0 µs/cm

SAMPLE END TIME: 12:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.81 ft
DEPTH OF WELL: 14.75 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: 13:52
pH 6.17 su — TEMP 9.99 °C
DISSOLVED O_2 8.45 mg/L — SPECIFIC CONDUCTIVITY 1230.0 µs/cm

PURGE END TIME: 15:10
pH 6.20 su — TEMP 10.26 °C
DISSOLVED O_2 6.66 mg/L — SPECIFIC CONDUCTIVITY 1287.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.51 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:20
pH 6.24 su — TEMP 10.23 °C
DISSOLVED O_2 3.80 mg/L — SPECIFIC CONDUCTIVITY 1228.0 µs/cm

SAMPLE END TIME: 15:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.45 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.29 ft
(9.29) X .65 X 3 = 18.11
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: 13:28
pH 5.65 su — TEMP 9.78 °C
DISSOLVED O_2 8.30 mg/L — SPECIFIC CONDUCTIVITY 1384.0 µs/cm

PURGE END TIME: 14:51
pH 4.83 su — TEMP 9.89 °C
DISSOLVED O_2 4.56 mg/L — SPECIFIC CONDUCTIVITY 1257.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.82 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:00
pH 4.54 su — TEMP 9.44 °C
DISSOLVED O_2 1.78 mg/L — SPECIFIC CONDUCTIVITY 1222.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/26/06
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.30 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.20 ft
(10.20) X .65 X 3 = 19.89
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:35
pH 6.01 su TEMP 10.53 °C
DISSOLVED O_2 2.66 mg/L SPECIFIC CONDUCTIVITY 1258.0 µs/cm

PURGE END TIME: 15:02
pH 5.33 su TEMP 10.66 °C
DISSOLVED O_2 8.98 mg/L SPECIFIC CONDUCTIVITY 1848.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.56 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 15:10
pH 5.86 su TEMP 10.56 °C
DISSOLVED O_2 2.55 mg/L SPECIFIC CONDUCTIVITY 1924.0 µs/cm

SAMPLE END TIME: 15:10

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	**VB022130.D**	Sample Name	**MB 01May2006**
Operator	**Skelton**	Field ID	**MB 01May2006**
Date Acquired	**1 May 2006 8:03 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 01May2006**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 01May2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022130.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/1/2006

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	**VB022146.D**	Sample Name	**6017701**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**2 May 2006 6:57 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	16.65	77988	1.16 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

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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.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022146.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. Date Analyzed: 5/2/2006

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	**VB022147.D**	Sample Name	**6017702**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**2 May 2006 7:38 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	16.66	64361	0.98 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

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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.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022147.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022148.D**	Sample Name	**6017703**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**2 May 2006 8:19 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 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022148.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022149.D**	Sample Name	**6017704**
Operator	**Skelton**	Field ID	**2567MW#01**
Date Acquired	**2 May 2006 8:59 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	13.14	84347	66.33 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.77	28409	0.45 ug/L	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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5/25/2006 11:44 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022149.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022150.D**	Sample Name	**6017705**
Operator	**Skelton**	Field ID	**2567MW#02**
Date Acquired	**2 May 2006 9:40 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022150.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022151.D**	Sample Name	**6017706**
Operator	**Skelton**	Field ID	**2567MW#03**
Date Acquired	**2 May 2006 10:21 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	13.14	57748	45.15 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.73	260824	4.07 ug/L	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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022151.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. Date Analyzed: 5/2/2006

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. 000078-78-4	Butane, 2-methyl-	6.69	28	JN
2. 000109-66-0	Pentane	7.43	8	JN
3.	unknown	9.05	3	J
4. 000079-29-8	Butane, 2,3-dimethyl-	10.68	10	JN
5. 000096-14-0	Pentane, 3-methyl-	11.66	12	JN
6. 000096-37-7	Cyclopentane, methyl-	14.48	29	JN
7. 000098-82-8	Benzene, (1-methylethyl)-	27.43	7	JN
8. 000103-65-1	Benzene, propyl-	28.23	6	JN
9. 000496-11-7	Indane	30.49	10	JN

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

Data File	**VB022152.D**	Sample Name	**6017707**
Operator	**Skelton**	Field ID	**2567MW#04**
Date Acquired	**2 May 2006 11:02 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 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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5/25/2006 11:44 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022152.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022153.D**	Sample Name	**6017708**
Operator	**Skelton**	Field ID	**2567MW#05**
Date Acquired	**2 May 2006 11:43 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022153.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022154.D**	Sample Name	**6017709**
Operator	**Skelton**	Field ID	**2567MW#06**
Date Acquired	**2 May 2006 12:24 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 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022154.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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	**VB022155.D**	Sample Name	**6017710**
Operator	**Skelton**	Field ID	**2567MW#07**
Date Acquired	**2 May 2006 1:04 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60177 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6017710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022155.D

Level: (low/med) LOW Date Received: 4/26/2006

% Moisture: not dec. _____ Date Analyzed: 5/2/2006

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

LEAD

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

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

Site: Ft. Monmouth
2567 Wells

Lab ID #: 60177
Sample Received: 04/26/06
Analysis Start: 05/03/06
Analysis Completed: 05/03/06

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
6017702	2567 Field Blank	ND	5.0	1.00	5.00
6017703	2567 Dup	ND	5.0	1.00	5.00
6017704	2567 MW#01	1.16	5.0	1.00	5.00
6017705	2567 MW#02	ND	5.0	1.00	5.00
6017706	2567 MW#03	ND	5.0	1.00	5.00
6017707	2567 MW#04	2.91	5.0	1.00	5.00
6017708	2567 MW#05	6.52	5.0	1.00	5.00
6017709	2567 MW#06	ND	5.0	1.00	5.00
6017710	2567 MW#07	2.97	5.0	1.00	5.00
Method Blank	Method Blank	1.69	5.0	1.00	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit. Note.
Estimated results between MDL & R.L

LTM

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	ENV PRO	4	4400	2200	-						-
10/26/1992	ENV PRO	ND	5400	1200	-						-
10/26/1992D	ENV PRO	ND	7000	1500	-						-
04/21/1993	21st CEN	70	470	890	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	ND	28	650	-						-
03/31/1994	21st CEN	ND	22	10	-						-
06/14/1994	21st CEN	ND	120	88	-						-
09/15/1994	21st CEN	ND	600	56	-						-
05/25/1995	EMSL	ND	930	110	-						-
08/15/1995	EMSL	3.3	930	29	-						-
11/21/1995	EMSL	ND	860	80	-						-
02/20/1996	EMSL	4	780	100	-						-
06/13/1996	FMETL	1.2	ND	ND	-						-
09/27/1996	FMETL	ND	ND	ND	-						-
04/11/1997	FMETL	2.5	ND	ND	3.80						V,Pb
08/28/1997	FMETL	1.4	ND	240	4.80						V,Pb
12/02/1997	FMETL	7.0	357	20.3	3.90						V,S,P,M
03/04/1998	FMETL	ND	560	37	3.51						V,S,P,M
06/01/1998	FMETL	0.5	95.63	24.23	4.06						V,Pb
09/24/1998	FMETL	ND	283	10.02	5.21						V,Pb
12/09/1998	FMETL	ND	143.26	3.43	4.90						V,Pb
02/24/1999	FMETL	ND	675	26.15	3.75						V,Pb
05/29/1999	FMETL	ND	605.1	9.16	4.20						V,Pb
07/21/1999	FMETL	ND	155.56	3.33	5.48						V,Pb
10/21/1999	FMETL	1.3	497.3	4.8	4.03						V,Pb
02/14/2000	FMETL	1.31	992	8.2	3.31						V,Pb
05/15/2000	FMETL	ND	458.88	5.24	4.04						V,Pb
08/22/2000	FMETL	ND	218.42	1.20	3.87						V,Pb
11/01/2000	FMETL	ND	ND	15.04	4.24						V,Pb
11/01/2000D	FMETL	ND	ND	15.33	4.24						V,Pb
02/09/2001	FMETL	ND	1488.05	4.83	3.30						V,Pb
05/08/2001	FMETL	0.93	764.25	2.10	4.15						V, Pb
08/15/2001	FMETL	ND	248.74	ND	4.95						V, Pb
08/15/2001D	FMETL	ND	457.64	1.54	4.95						V, Pb
11/09/2001	FMETL	ND	ND	1.09	5.11						V, Pb
02/26/2002	FMETL	ND	859.38	1.61	3.95						V, Pb
05/28/2002	FMETL	ND	331.75	ND	4.09						V, Pb
08/20/2002	FMETL	ND	441.16	ND	5.45						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
10/29/2002	FMETL	1.22	259.69	ND	3.62						V, Pb
02/26/2003	FMETL	1.40	828.6	2.05	3.11						V, Pb
06/11/2003	FMETL	ND	186.42	1.78	3.35						V, Pb
07/22/2003	FMETL	ND	205.86	1.93	4.39						V, Pb
10/07/2003	FMETL	ND	175.48	ND	4.23						V, Pb
01/16/2004	FMETL	ND	224.08	2.08	3.60						V, Pb
06/22/2004	FMETL	ND	283.26	7.79	4.51						V, Pb
08/12/2004	FMETL	ND	150.65	2.75	4.11						V, Pb
11/24/2004	FMETL	ND	478.49	0.72	3.54						V, Pb
02/11/2005	FMETL	ND	128.03	ND	3.29						V, Pb
05/06/2005	FMETL	ND	200.1	ND	3.50						V, Pb
08/16/2005	FMETL	ND	ND	ND	5.01						V, Pb
11/17/2005	FMETL	ND	377.47	ND	3.49						V, Pb
01/30/2006	FMETL	ND	331.46	1.68	3.30						V, Pb
04/26/2006	FMETL	1.16	66.33	0.45	3.43						V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

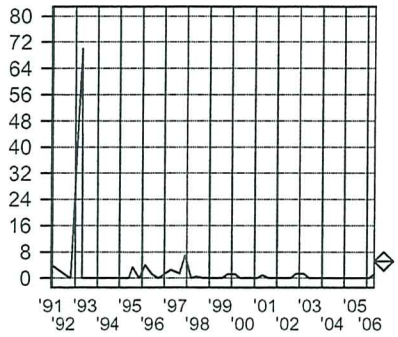
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

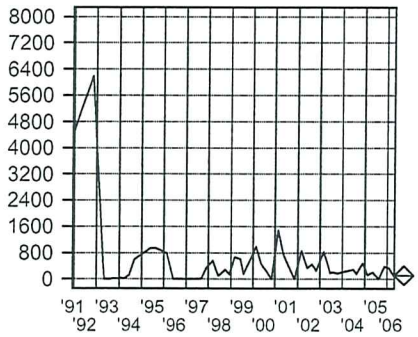
Source 1 of 7 (cont.)

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

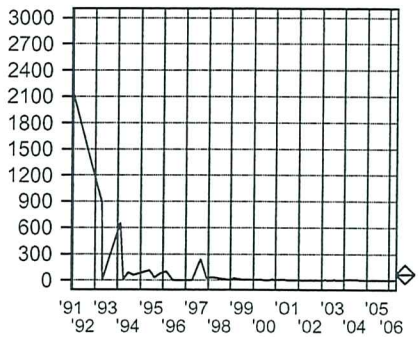
LEAD
(ug/L)



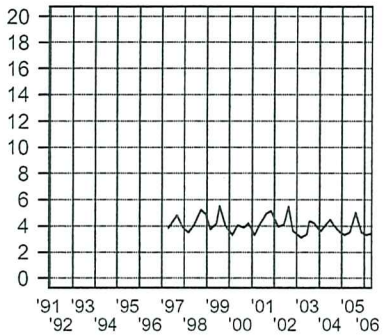
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	ENV PRO	ND	ND	ND	-						-
10/26/1992	ENV PRO	11	ND	ND	-						-
04/21/1993	ENV PRO	ND	ND	ND	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	260	ND	7.0	-						-
03/31/1994	21st CEN	ND	ND	11	-						-
06/14/1994	21st CEN	ND	ND	11	-						-
09/15/1994	21st CEN	ND	ND	4.1	-						-
05/25/1995	EMSL	ND	ND	3.1	-						-
08/15/1995	EMSL	5.6	ND	2.5	-						-
11/21/1995	EMSL	ND	ND	1.6	-						-
02/20/1996	EMSL	ND	ND	2	-						-
06/13/1996	FMETL	ND	ND	ND	-						-
09/27/1996	FMETL	1.2	ND	ND	-						-
04/11/1997	FMETL	10.7	ND	ND	3.40						V,Pb
08/28/1997	FMETL	ND	ND	ND	4.30						V,Pb
12/02/1997	FMETL	20	ND	ND	3.45						V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	2.92						V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	3.59						V,Pb
09/24/1998	FMETL	ND	ND	ND	4.73						V,Pb
12/09/1998	FMETL	ND	ND	ND	3.42						V,Pb
02/24/1999	FMETL	ND	ND	ND	3.38						V,Pb
05/29/1999	FMETL	ND	ND	ND	3.83						V,Pb
07/21/1999	FMETL	ND	ND	ND	5.03						V,Pb
10/21/1999	FMETL	1.2	ND	ND	3.65						V,Pb
02/14/2000	FMETL	1.49	ND	ND	3.00						V,Pb
05/15/2000	FMETL	ND	ND	ND	3.77						V,Pb
08/22/2000	FMETL	ND	ND	ND	3.51						V,Pb
11/01/2000	FMETL	ND	ND	ND	4.15						V,Pb
02/09/2001	FMETL	ND	ND	ND	2.75						V,Pb
05/08/2001	FMETL	1.02	ND	ND	3.95						V, Pb
08/15/2001	FMETL	ND	ND	ND	4.65						V, Pb
11/09/2001	FMETL	ND	ND	ND	4.81						V, Pb
11/09/2001D	FMETL	ND	ND	ND	4.81						V, Pb
02/26/2002	FMETL	ND	ND	ND	3.86						V, Pb
05/28/2002	FMETL	ND	ND	ND	3.83						V,Pb
08/20/2002	FMETL	ND	ND	ND	5.13						V, Pb
10/29/2002	FMETL	2.47	ND	ND	3.32						V, Pb
02/26/2003	FMETL	ND	ND	ND	2.71						V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
06/11/2003	FMETL	ND	ND	ND	3.00						V, Pb
07/22/2003	FMETL	5.20	ND	ND	3.91						V, Pb
10/07/2003	FMETL	0.831	ND	ND	3.89						V, Pb
01/16/2004	FMETL	ND	ND	ND	3.42						V, Pb
06/22/2004	FMETL	ND	ND	ND	4.12						V, Pb
08/12/2004	FMETL	ND	ND	ND	3.85						V, Pb
11/24/2004	FMETL	ND	ND	ND	3.19						V, Pb
02/11/2005	FMETL	ND	ND	ND	2.70						V, Pb
05/06/2005	FMETL	ND	ND	ND	3.09						V, Pb
08/16/2005	FMETL	ND	ND	ND	4.58						V, Pb
11/17/2005	FMETL	ND	ND	ND	3.49						V, Pb
01/30/2006	FMETL	ND	ND	ND	3.02						V, Pb
04/26/2006	FMETL	ND	ND	ND	3.09						V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

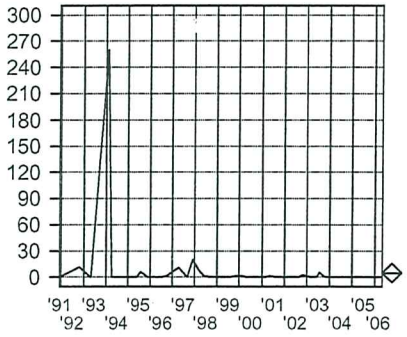
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

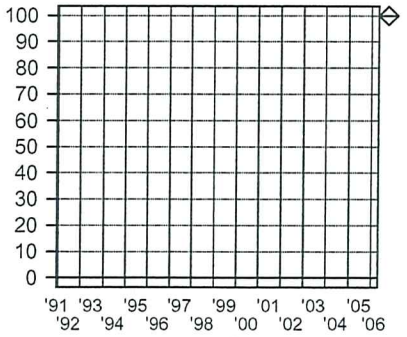
Source 2 of 7 (cont.)

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

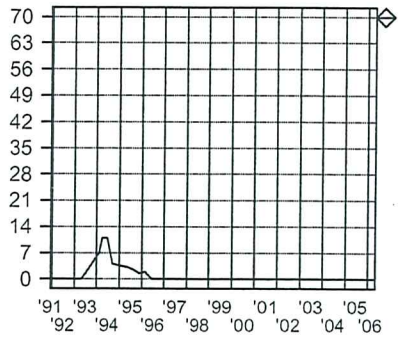
LEAD
(ug/L)



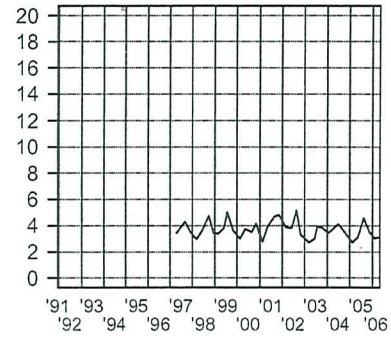
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/l	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	ENV PRO	ND	ND	69	-						-
10/26/1992	ENV PRO	5	ND	ND	-						-
04/21/1993	ENV PRO	60	ND	27	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	41	ND	9.1	-						-
03/31/1994	21st CEN	25	ND	ND	-						-
06/14/1994	21st CEN	3	ND	100	-						-
09/15/1994	21st CEN	ND	ND	61	-						-
05/25/1995	EMSL	2.7	ND	400	-						-
08/15/1995	EMSL	ND	ND	670	-						-
11/21/1995	EMSL	ND	46	360	-						-
02/20/1996	EMSL	6	43	250	-						-
06/13/1996	FMETL	0.7	ND	ND	-						-
09/27/1996	FMETL	6.2	ND	ND	-						-
04/11/1997	FMETL	1.8	ND	ND	3.15						V,Pb
08/28/1997	FMETL	ND	940	62	4.00						V,Pb
12/02/1997	FMETL	10	ND	188	3.10						V,S,P,M
03/04/1998	FMETL	ND	ND	102	2.48						V,S,P,M
06/19/1998	FMETL	ND	27.52	81.82	3.99						V,Pb
09/25/1998	FMETL	ND	ND	27.27	4.56						V,Pb
12/16/1998	FMETL	ND	19.38	20.54	4.25						V,Pb
02/24/1999	FMETL	1.0	ND	3.3	3.16						V,Pb
05/29/1999	FMETL	ND	ND	26.34	3.55						V,Pb
07/21/1999	FMETL	ND	ND	8.98	4.85						V,Pb
10/21/1999	FMETL	1.3	ND	13.08	3.93						V,Pb
02/14/2000	FMETL	1.22	ND	3.78	3.42						V,Pb
05/15/2000	FMETL	ND	ND	9.35	3.40						V,Pb
08/22/2000	FMETL	ND	ND	5.36	3.17						V,Pb
11/01/2000	FMETL	ND	ND	20.24	3.56						V,Pb
02/09/2001	FMETL	ND	ND	1.96	2.50						V,Pb
05/08/2001	FMETL	0.96	ND	11.95	3.40						V, Pb
08/15/2001	FMETL	ND	67.42	17.8	4.30						V, Pb
11/09/2001	FMETL	ND	ND	5.51	4.30						V, Pb
02/26/2002	FMETL	ND	31.59	4.14	3.29						V, Pb
05/28/2002	FMETL	ND	ND	3.13	3.40						V,Pb
08/20/2002	FMETL	ND	ND	ND	4.03						V, Pb
10/29/2002	FMETL	ND	ND	2.37	2.98						V, Pb
02/26/2003	FMETL	ND	ND	3.64	2.39						V, Pb
06/11/2003	FMETL	ND	ND	ND	2.55						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
07/22/2003	FMETL	0.983	ND	6.82	3.81						V, Pb
10/07/2003	FMETL	ND	13.51	4.56	3.52						V, Pb
01/16/2004	FMETL	ND	ND	ND	2.95						V, Pb
06/22/2004	FMETL	ND	ND	15.45	3.75						V, Pb
08/12/2004	FMETL	ND	66.83	9.66	3.61						V, Pb
11/24/2004	FMETL	ND	ND	ND	2.98						V, Pb
02/11/2005	FMETL	ND	51.21	2.88	2.45						V, Pb
05/06/2005	FMETL	ND	90.78	8.64	2.77						V, Pb
08/16/2005	FMETL	ND	ND	8.17	4.30						V, Pb
11/17/2005	FMETL	ND	69.30	2.23	2.98						V, Pb
01/30/2006	FMETL	ND	73.77	2.39	2.74						V, Pb
04/26/2006	FMETL	ND	45.15	4.07	2.85						V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

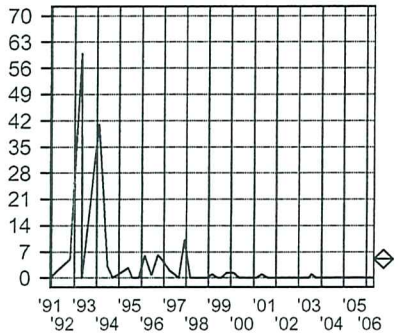
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

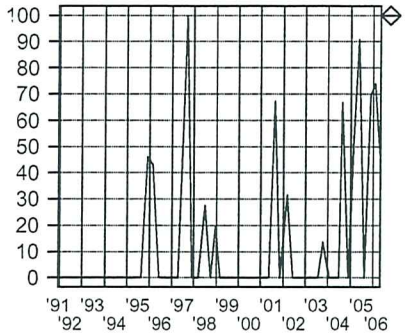
Source 3 of 7 (cont.)

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

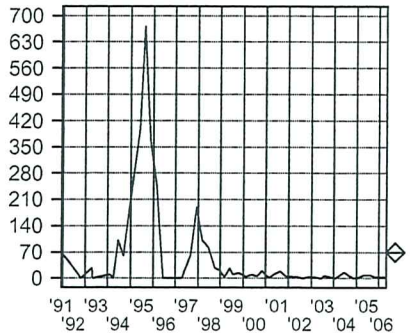
LEAD
(ug/L)



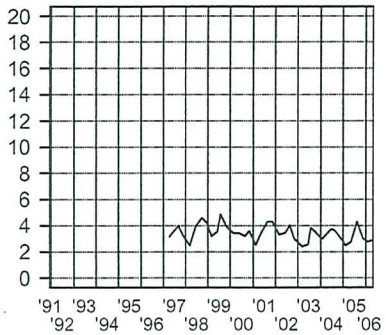
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
12/10/1991	EMSL	5	ND	ND	-						-
10/26/1992	ENV PRO	ND	ND	ND	-						-
04/21/1993	ENV PRO	ND	ND	ND	-						-
04/28/1993	21st CEN	ND	ND	ND	-						BNA Only
02/03/1994	21st CEN	ND	ND	ND	-						-
03/31/1994	21st CEN	ND	ND	1.3	-						-
06/14/1994	21st CEN	ND	ND	ND	-						-
09/15/1994	21st CEN	ND	ND	ND	-						-
05/25/1995	EMSL	ND	ND	ND	-						-
08/15/1995	EMSL	2.6	ND	ND	-						-
11/21/1995	EMSL	ND	ND	ND	-						-
02/20/1996	EMSL	ND	ND	ND	-						-
06/13/1996	FMETL	1.8	-	-	-						-
09/27/1996	FMETL	ND	-	-	-						-
04/11/1997	FMETL	2.3	-	-	2.55						V,Pb
08/28/1997	FMETL	ND	-	-	3.20						V,Pb
12/02/1997	FMETL	9.0	-	-	2.45						V,S,P,M
03/04/1998	FMETL	ND	-	-	2.11						V,S,P,M
06/19/1998	FMETL	ND	-	-	2.33						V,Pb
09/24/1998	FMETL	ND	-	-	3.55						V,Pb
12/12/1998	FMETL	ND	-	-	3.11						V,Pb
02/24/1999	FMETL	ND	-	-	2.44						V,Pb
05/29/1999	FMETL	ND	ND	ND	2.76						V,Pb
07/21/1999	FMETL	ND	ND	ND	3.98						V,Pb
10/21/1999	FMETL	1.2	ND	ND	2.37						V,Pb
02/14/2000	FMETL	1.4	ND	ND	1.69						V,Pb
05/15/2000	FMETL	ND	ND	ND	2.65						V,Pb
05/15/2000D	FMETL	ND	ND	ND	2.65						V,Pb
08/22/2000	FMETL	ND	ND	ND	2.49						V,Pb
08/22/2000D	FMETL	ND	ND	ND	2.49						V,Pb
11/01/2000	FMETL	ND	ND	ND	2.91						V,Pb
02/09/2001	FMETL	ND	ND	ND	1.99						V,Pb
02/09/2001D	FMETL	ND	ND	ND	1.99						V,Pb
05/08/2001	FMETL	ND	ND	ND	2.68						V, Pb
05/08/2001D	FMETL	1.26	ND	ND	2.68						V, Pb
08/15/2001	FMETL	2.2	ND	ND	3.50						V, Pb
11/09/2001	FMETL	ND	ND	ND	3.65						V, Pb
02/26/2002	FMETL	ND	ND	ND	2.71						V, Pb
05/28/2002	FMETL	ND	ND	ND	2.83						V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

- New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
08/20/2002	FMETL	ND	ND	ND	3.96						V, Pb
10/29/2002	FMETL	ND	ND	ND	2.26						V, Pb
02/26/2003	FMETL	ND	ND	ND	1.84						V, Pb
06/11/2003	FMETL	2.26	ND	ND	2.15						V, Pb
07/22/2003	FMETL	1.22	ND	ND	2.62						V, Pb
10/07/2003	FMETL	ND	ND	ND	2.75						V, Pb
01/16/2004	FMETL	ND	ND	ND	2.37						V, Pb
06/22/2004	FMETL	ND	ND	ND	3.15						V, Pb
08/12/2004	FMETL	ND	ND	ND	2.80						V, Pb
11/24/2004	FMETL	ND	ND	ND	2.08						V, Pb
02/11/2005	FMETL	ND	ND	ND	1.67						V, Pb
05/06/2005	FMETL	ND	ND	ND	2.09						V, Pb
08/16/2005	FMETL	ND	ND	ND	3.51						3.V, Pb
11/17/2005	FMETL	8.84	ND	ND	1.93						V, Pb
01/30/2006	FMETL	ND	ND	ND	2.02						V, Pb
04/26/2006	FMETL	2.91	ND	ND	1.99						V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

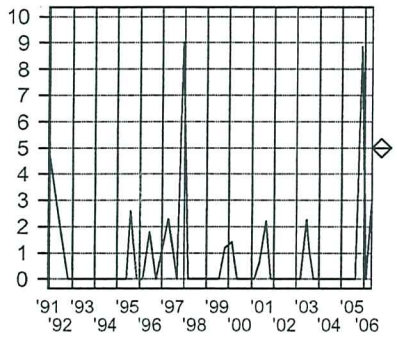
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

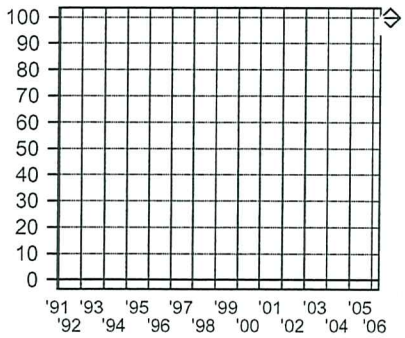
Source 4 of 7 (cont.)

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

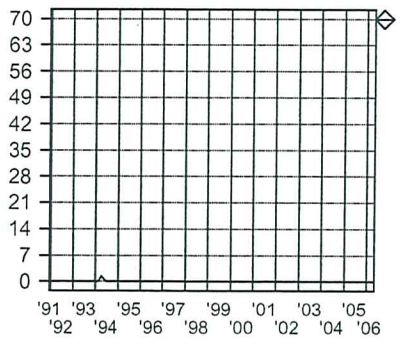
LEAD
(ug/L)



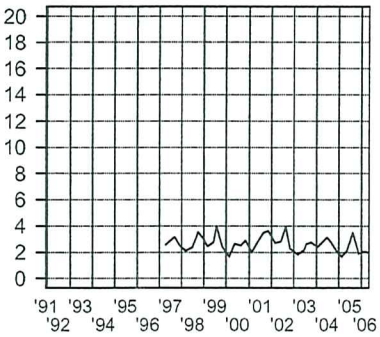
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
05/25/1995	EMSL	4.0	ND	ND	-						-
08/15/1995	EMSL	ND	ND	ND	-						-
11/21/1995	EMSL	ND	ND	ND	-						-
02/20/1996	EMSL	ND	ND	ND	-						-
09/27/1996	FMETL	ND	-	-	-						-
04/11/1997	FMETL	2.7	-	-	7.20						V,Pb
08/28/1997	FMETL	ND	-	-	7.50						V,Pb
12/02/1997	FMETL	7.0	-	-	7.20						V,S,P,M
03/04/1998	FMETL	ND	-	-	7.30						V,S,P,M
06/01/1998	FMETL	ND	-	-	7.55						V,Pb
09/25/1998	FMETL	ND	-	-	7.59						V,Pb
12/16/1998	FMETL	ND	-	-	7.34						V,Pb
02/24/1999	FMETL	ND	-	-	8.16						V,Pb
06/08/1999	FMETL	ND	ND	ND	7.33						V,Pb
07/21/1999	FMETL	ND	ND	ND	7.87						V,Pb
10/21/1999	FMETL	4.4	ND	ND	8.57						V,Pb
02/14/2000	FMETL	1.21	ND	ND	5.75						V,Pb
05/15/2000	FMETL	ND	ND	ND	6.92						V,Pb
08/22/2000	FMETL	1.6	ND	ND	6.73						V,Pb
11/01/2000	FMETL	2.4	ND	ND	7.16						V,Pb
02/09/2001	FMETL	ND	ND	ND	5.26						V,Pb
05/08/2001	FMETL	4.53	ND	ND	7.47						V, Pb
08/15/2001	FMETL	8.4	ND	ND	7.70						V, Pb
11/09/2001	FMETL	9.7	ND	ND	7.83						V, Pb
02/26/2002	FMETL	6.5	ND	ND	6.95						V, Pb
05/28/2002	FMETL	3.60	ND	ND	5.91						V,Pb
08/20/2002	FMETL	32.3	ND	ND	8.03						V, Pb
10/29/2002	FMETL	49.5	ND	ND	5.95						V, Pb
02/26/2003	FMETL	3.57	ND	ND	5.37						V, Pb
06/11/2003	FMETL	43.9	ND	ND	5.78						V, Pb
07/22/2003	FMETL	22.1	ND	ND	7.30						V, Pb
10/07/2003	FMETL	22.1	ND	ND	7.17						V, Pb
01/16/2004	FMETL	ND	ND	ND	6.93						V, Pb
06/22/2004	FMETL	ND	ND	ND	5.79						V, Pb
08/12/2004	FMETL	ND	ND	ND	5.23						V, Pb
11/24/2004	FMETL	22.4	ND	ND	6.44						V, Pb
02/11/2005	FMETL	11.5	ND	ND	5.79						V, P
05/09/2005	FMETL	27.9	ND	ND	6.56						V, Pb
08/16/2005	FMETL	14.0	ND	ND	7.91						V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
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Source 5 of 7

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
11/17/2005	FMETL	11.2	ND	ND	5.62						V, Pb
01/30/2006	FMETL	8.76	ND	ND	6.03						V, Pb
04/26/2006	FMETL	6.52	ND	ND	5.81						V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

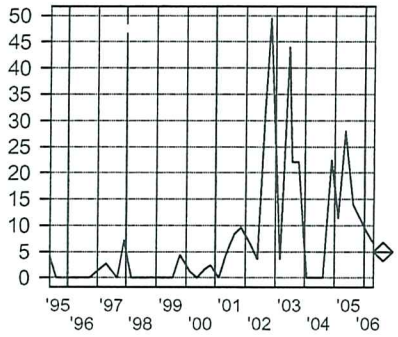
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

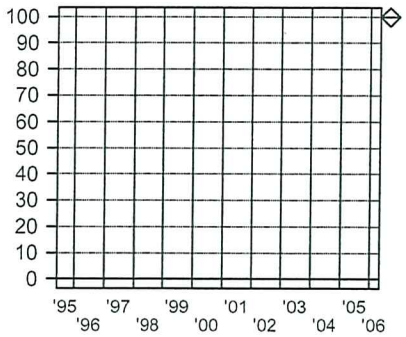
Source 5 of 7 (cont.)

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

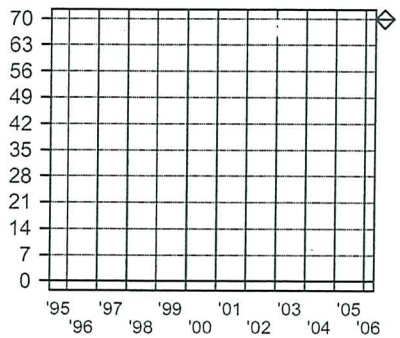
LEAD
(ug/L)



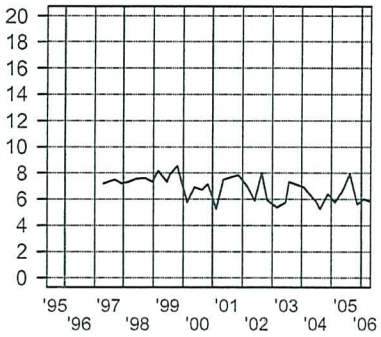
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
08/22/2000	FMETL	ND	ND	ND	7.06						V,Pb
11/01/2000	FMETL	ND	ND	ND	7.26						V,Pb
02/09/2001	FMETL	ND	ND	ND	6.44						V,Pb
05/08/2001	FMETL	1.48	ND	ND	7.42						V, Pb
08/15/2001	FMETL	ND	ND	ND	8.15						V, Pb
11/09/2001	FMETL	ND	ND	ND	8.09						V, Pb
02/26/2002	FMETL	ND	ND	ND	6.82						V, Pb
05/28/2002	FMETL	ND	ND	ND	7.29						V,Pb
08/20/2002	FMETL	1.32	ND	ND	8.78						V, Pb
10/29/2002	FMETL	ND	ND	ND	6.62						V, Pb
02/26/2003	FMETL	ND	ND	ND	6.24						V, Pb
06/11/2003	FMETL	ND	ND	ND	6.50						V, Pb
07/22/2003	FMETL	ND	ND	ND	7.61						V, Pb
10/07/2003	FMETL	ND	ND	ND	7.31						V, Pb
01/16/2004	FMETL	ND	ND	ND	6.65						V, Pb
06/22/2004	FMETL	ND	ND	ND	7.67						V, Pb
08/12/2004	FMETL	ND	ND	ND	7.46						V, Pb
11/24/2004	FMETL	ND	ND	ND	6.45						V, Pb
02/11/2005	FMETL	ND	ND	ND	6.11						V, Pb
05/06/2005	FMETL	22.4	ND	ND	6.61						V, Pb
08/16/2005	FMETL	ND	ND	ND	8.13						V, Pb
11/17/2005	FMETL	ND	ND	ND	6.29						V, Pb
01/30/2006	FMETL	ND	ND	ND	6.56						V, Pb
04/26/2006	FMETL	ND	ND	ND	6.45						V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
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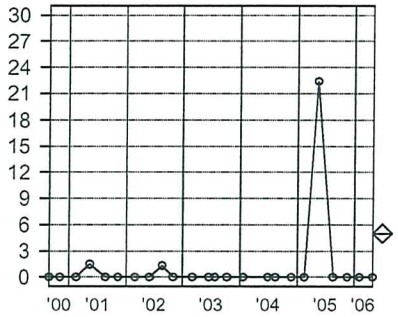
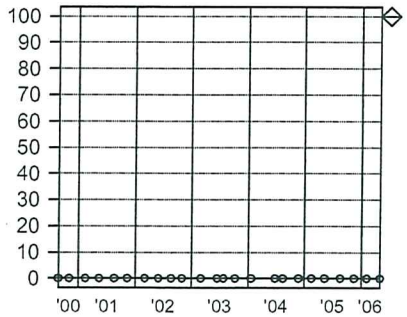
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

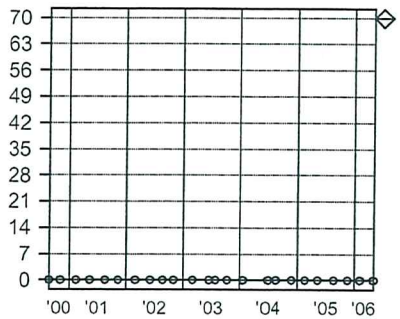
LEAD
(ug/L)



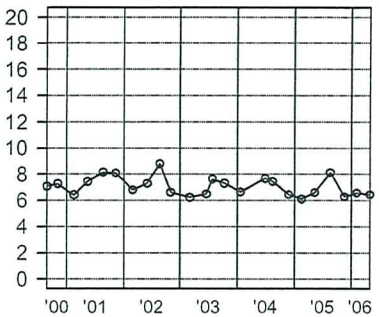
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

	LAB	LEAD	TERT-BUTYL ALCOHOL	MTBE	Depth to Water						NOTES
Units:	-	ug/L	ug/L	ug/L	Feet						-
NJDEP Criteria:	-	5	100	70	-						-
08/22/2000	FMETL	ND	ND	ND	6.65						V,Pb
11/02/2000	FMETL	ND	ND	ND	6.80						V,Pb
02/09/2001	FMETL	ND	ND	ND	6.23						V,Pb
05/08/2001	FMETL	ND	ND	ND	7.02						V, Pb
08/15/2001	FMETL	ND	ND	ND	7.75						V, Pb
11/09/2001	FMETL	ND	ND	ND	7.56						V, Pb
02/26/2002	FMETL	ND	ND	ND	6.71						V, Pb
05/28/2002	FMETL	ND	ND	ND	6.83						V,Pb
08/20/2002	FMETL	ND	ND	ND	8.28						V, Pb
10/29/2002	FMETL	ND	ND	ND	6.40						V, Pb
02/26/2003	FMETL	ND	ND	ND	6.07						V, Pb
06/11/2003	FMETL	0.855	ND	ND	6.26						V, Pb
07/22/2003	FMETL	ND	ND	ND	7.19						V, Pb
10/07/2003	FMETL	ND	ND	ND	6.88						V, Pb
01/16/2004	FMETL	ND	ND	ND	6.37						V, Pb
06/22/2004	FMETL	ND	ND	2.98	7.32						V, Pb
08/12/2004	FMETL	5.47	ND	2.51	7.10						V, Pb
11/24/2004	FMETL	ND	ND	ND	6.17						V, Pb
02/11/2005	FMETL	ND	ND	ND	5.88						V, Pb
05/06/2005	FMETL	ND	ND	ND	6.30						V, Pb
08/16/2005	FMETL	ND	ND	ND	7.73						V, Pb
01/30/2006	FMETL	ND	ND	ND	6.30						V, Pb
04/26/2006	FMETL	2.97	ND	ND	6.30						V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 04/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

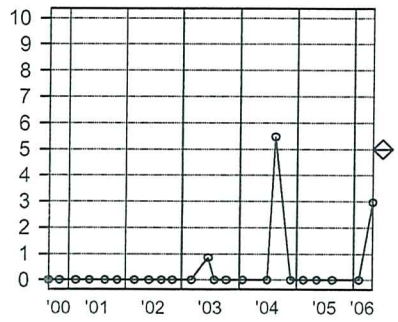
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

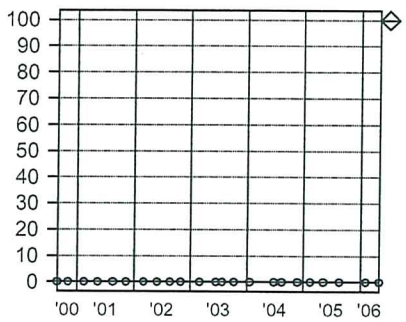
Source 7 of 7

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

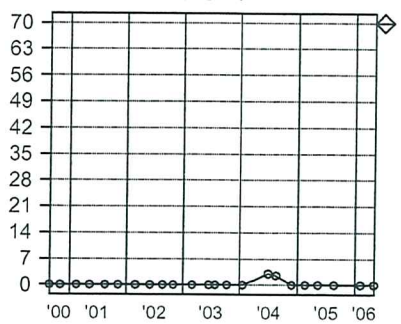
LEAD
(ug/L)



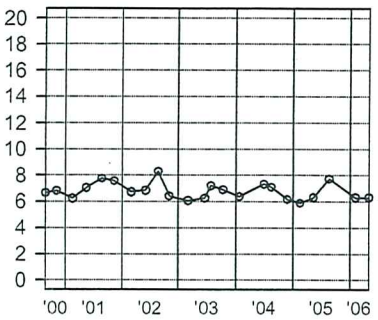
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 04/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1488.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb

NO B-T-x since 1997

MTBE: B NJ 70 since 1993

Pb < 5

TBA - highly variable, mostly > 100

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

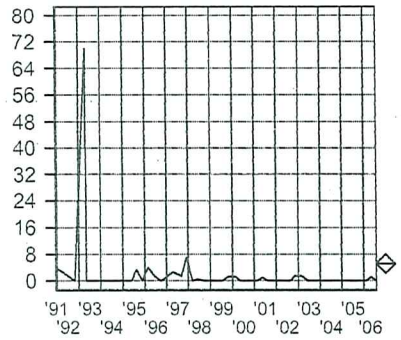
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

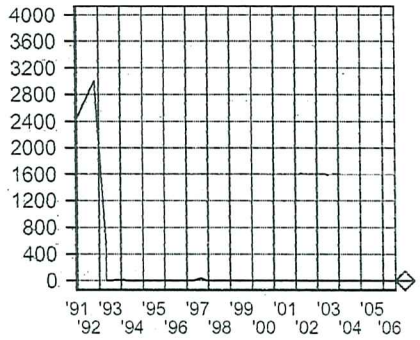
Source 1 of 7 (cont.)

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

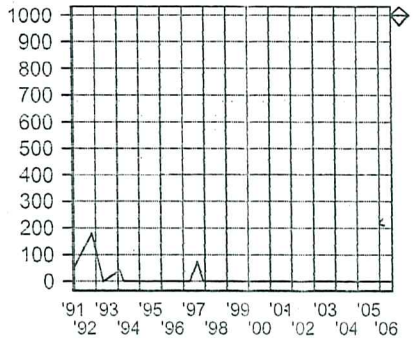
LEAD
(ug/L)



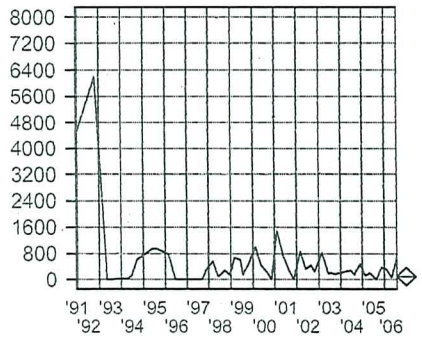
BENZENE
(ug/L)



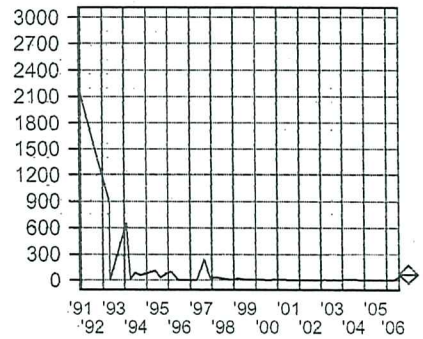
XYLENE
(ug/L)



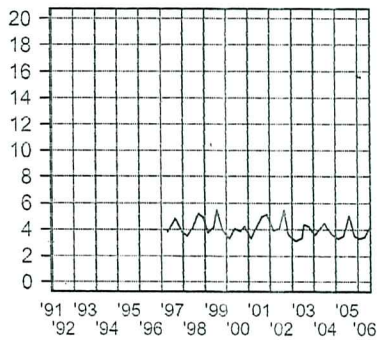
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Unit's:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb

Pb - ND since 1/03

B-x ND since 1996

TBA - ND always

MTBE ND since 1998 highest was 11

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

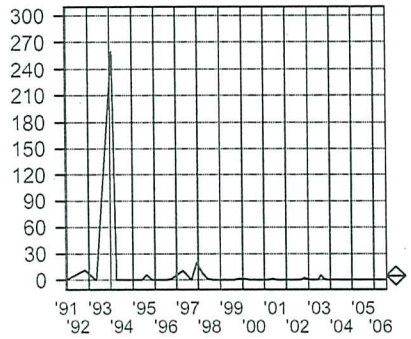
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

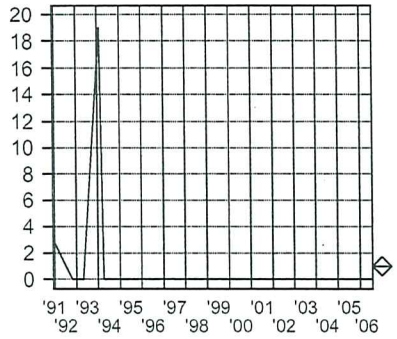
Source 2 of 7 (cont.)

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

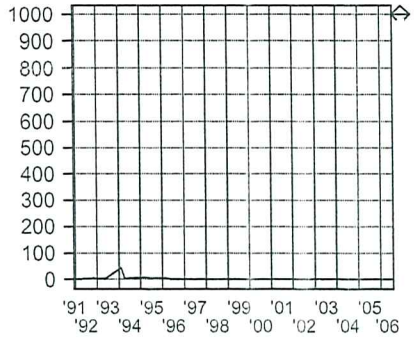
LEAD
(ug/L)



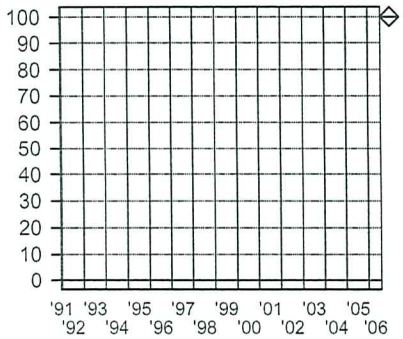
BENZENE
(ug/L)



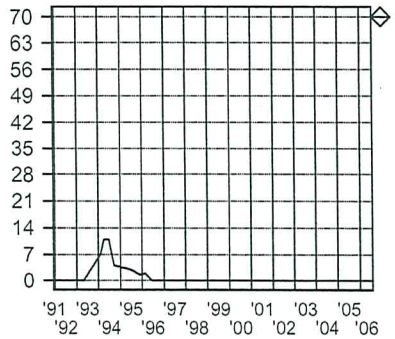
XYLENE
(ug/L)



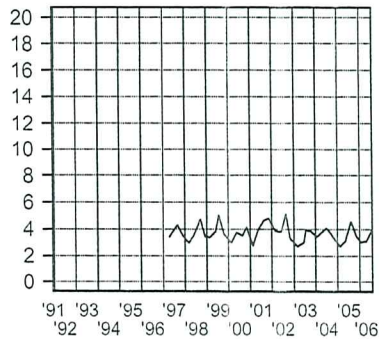
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

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SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb

Pb - 60 in 1993
B - <1 since 99
TBA - detected but always < 100 except last round (421)
MTBE - < 75 since 1998 - variable
→ last round 120

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

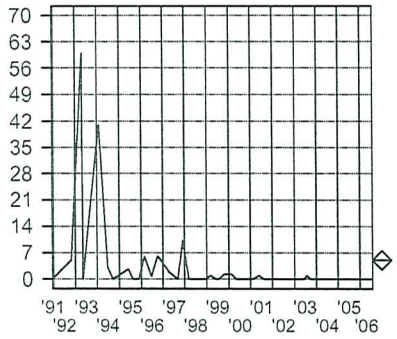
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

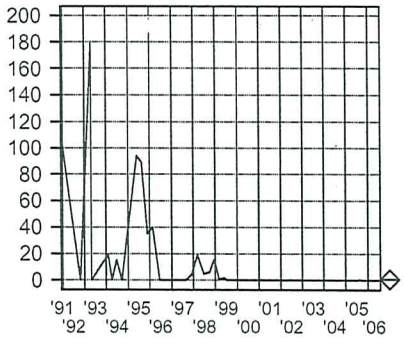
Source 3 of 7 (cont.)

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

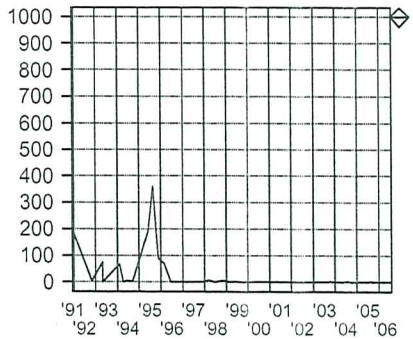
LEAD
(ug/L)



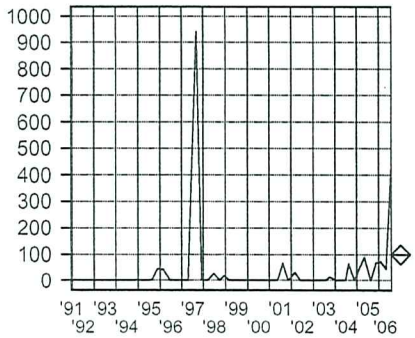
BENZENE
(ug/L)



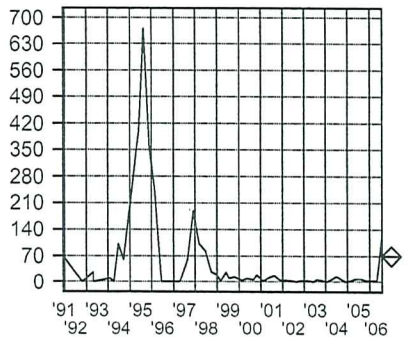
XYLENE
(ug/L)



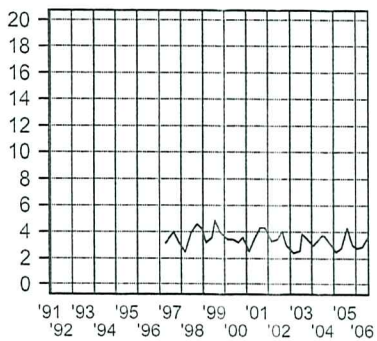
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	-	-	-				-
09/27/1996	FMETL	ND	ND	ND	-	-	-				-
04/11/1997	FMETL	2.3	ND	ND	-	-	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	-	-	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	-	-	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	-	-	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	-	-	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	-	-	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	-	-	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	-	-	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb

Pb was the only detect - only one exceedance 11/05 8.9

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

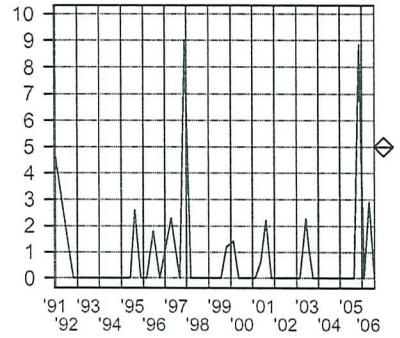
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

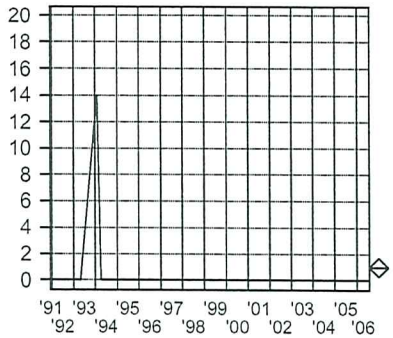
Source 4 of 7 (cont.)

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

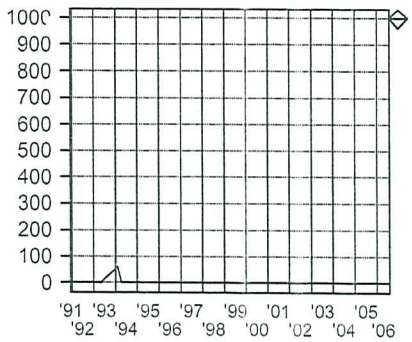
LEAD
(ug/L)



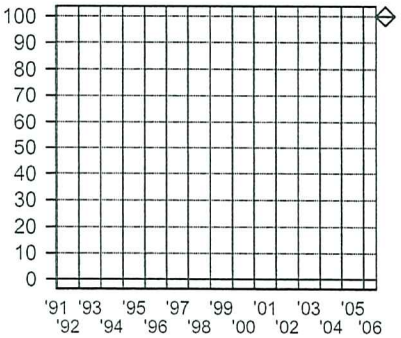
BENZENE
(ug/L)



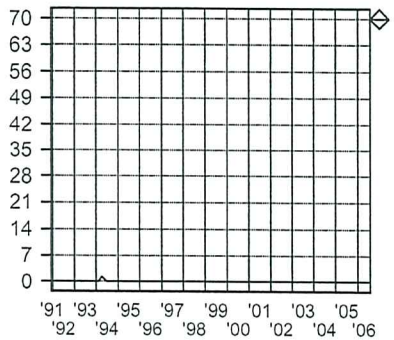
XYLENE
(ug/L)



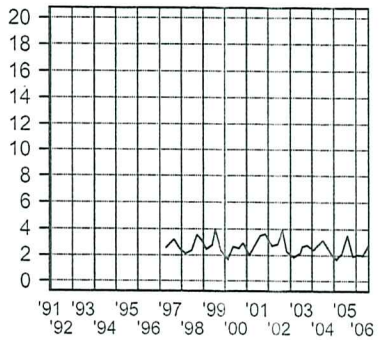
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	ND	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb

Pb only exceedance

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

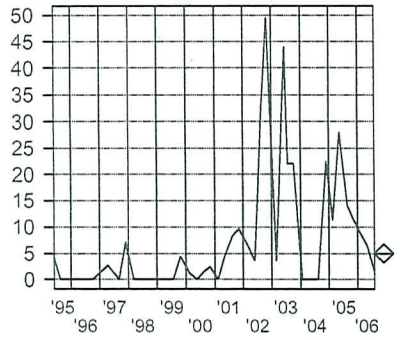
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

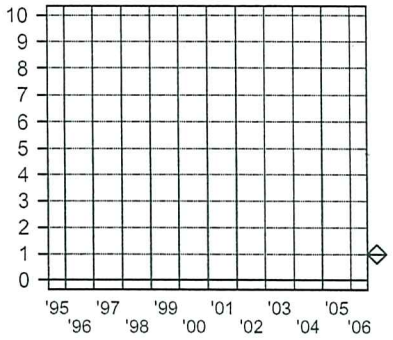
Source 5 of 7 (cont.)

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

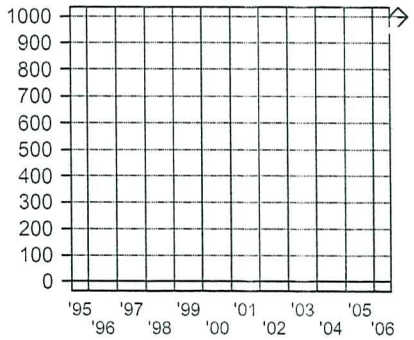
LEAD
(ug/L)



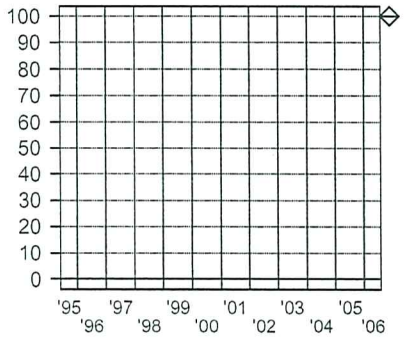
BENZENE
(ug/L)



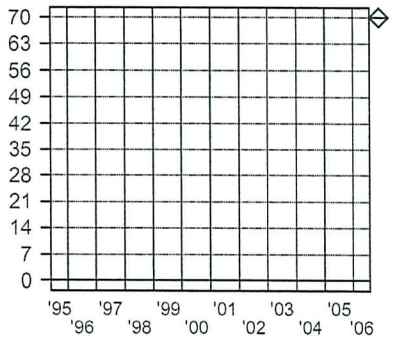
XYLENE
(ug/L)



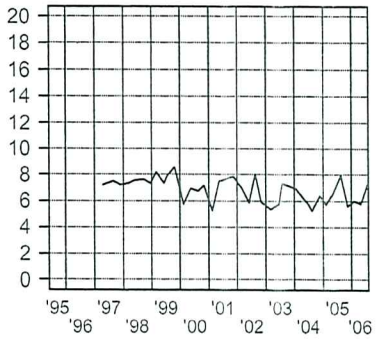
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

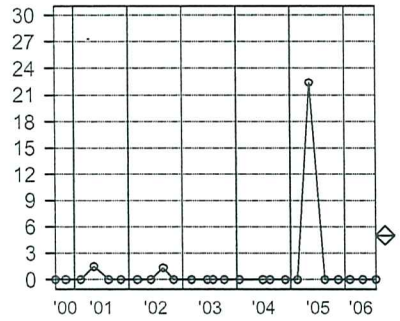
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

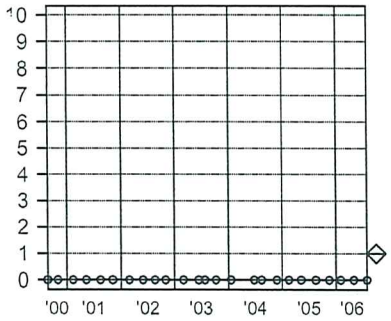
Source 6 of 7

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

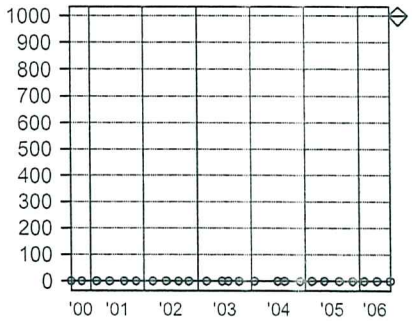
LEAD
(ug/L)



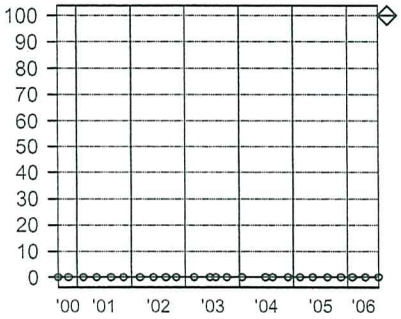
BENZENE
(ug/L)



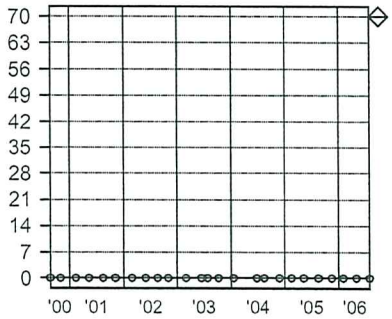
XYLENE
(ug/L)



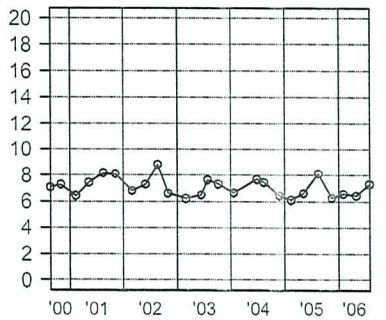
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V,Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V,Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 07/26/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

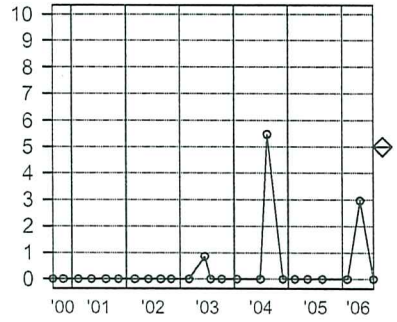
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

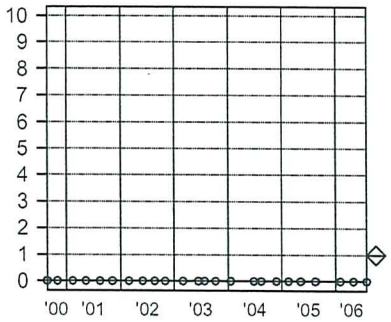
Source 7 of 7

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

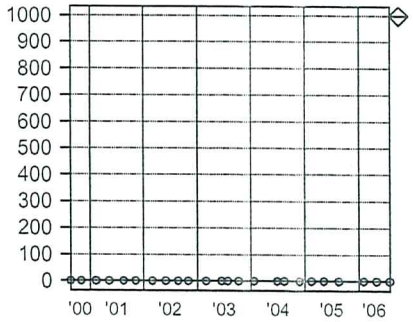
LEAD
(ug/L)



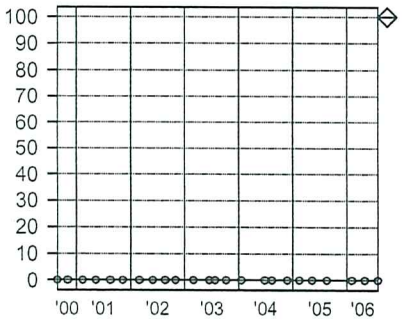
BENZENE
(ug/L)



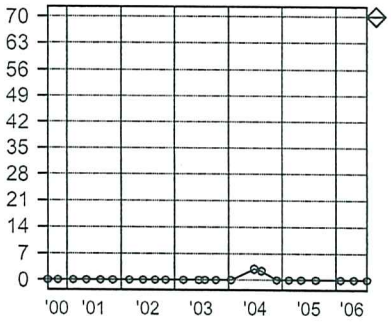
XYLENE
(ug/L)



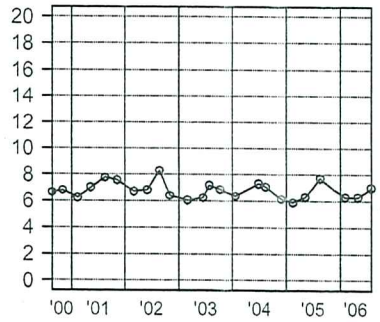
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 07/26/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

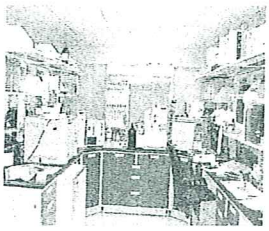
Source 7 of 7, Graph

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

09-05-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6034004	2567MW01	29-26925	07/26/06
6034005	2567MW02	29-26926	07/26/06
6034006	2567MW03	29-26947	07/26/06
6034007	2567MW04	29-26948	07/26/06
6034008	2567MW05	29-31783	07/26/06
6034009	2567MW06	29-42585	07/26/06
6034010	2567MW07	29-42586	07/26/06

NJDEP Laboratory Certification # 13461

9-11-06

Daniel Wright/Date:
Laboratory Director

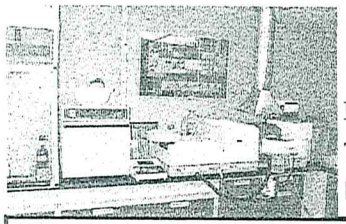
The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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	Analysis Parameters: VOA+15	Pb							Comments: Remarks / Preservation Method
10340.01	2567 TRIP BLANK	7-26-06	10:30	AQ	2	X								
.02	2567 TRIP BLANK	7-26-06	13:00	AQ	3	X	X							
.03	2567 DUP	7-26-06	—	AQ	3	X	X							
.04	2567 MW#01	7-26-06	15:50	AQ	3	X	X							29-26925
.05	2567 MW#02	7-26-06	15:30	AQ	3	X	X							29-26926
.06	2567 MW#03	7-26-06	16:00	AQ	3	X	X							29-26947
.07	2567 MW#04	7-26-06	15:40	AQ	3	X	X							29-26948
.08	2567 MW#05	7-26-06	14:20	AQ	3	X	X							29-31783
.09	2567 MW#06	7-26-06	13:10	AQ	3	X	X							29-42585
.10	2567 MW#07	7-26-06	13:20	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	7/26 16:30	[illegible] 7/27/06 7:30			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (_)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (X)Standard 3 wks, ( )Rush___Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/26/06
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.25 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.85 ft
(8.85) X .65 X 3 = 17.25
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: 14:25
pH 6.67 su — TEMP 21.54 °C
DISSOLVED O_2 0.48 mg/L — SPECIFIC CONDUCTIVITY 5267.0 µs/cm

PURGE END TIME: 15:43
pH 6.60 su — TEMP 22.71 °C
DISSOLVED O_2 0.18 mg/L — SPECIFIC CONDUCTIVITY 8462.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.54 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:50
pH 6.71 su — TEMP 22.62 °C
DISSOLVED O_2 0.17 mg/L — SPECIFIC CONDUCTIVITY 8521.0 µs/cm

SAMPLE END TIME: 15:50

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.94 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.26 ft
(8.26) X .65 X 3 = 16.10
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: 14:07
pH 6.53 su
TEMP 20.86 °C
DISSOLVED O_2 0.38 mg/L
SPECIFIC CONDUCTIVITY 3047.0 µs/cm

PURGE END TIME: 15:21
pH 6.43 su
TEMP 22.48 °C
DISSOLVED O_2 0.47 mg/L
SPECIFIC CONDUCTIVITY 2312.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.75 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 15:30
pH 6.44 su
TEMP 22.32 °C
DISSOLVED O_2 0.28 mg/L
SPECIFIC CONDUCTIVITY 2235.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 0726/06
WEATHER: Cloudy and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.62 ft
DEPTH OF WELL: 12.50 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 H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 14:33
pH 6.97 su
TEMP 22.85 °C
DISSOLVED O_2 0.37 mg/L
SPECIFIC CONDUCTIVITY 2359.0 µs/cm

PURGE END TIME: 15:51
pH 6.87 su
TEMP 22.67 °C
DISSOLVED O_2 0.43 mg/L
SPECIFIC CONDUCTIVITY 8234.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.62 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 16:00
pH 6.64 su
TEMP 22.39 °C
DISSOLVED O_2 0.24 mg/L
SPECIFIC CONDUCTIVITY 8079.0 µs/cm

SAMPLE END TIME: 16:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.76 ft
DEPTH OF WELL: 11.66 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 H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 14:15
pH 6.24 su — TEMP 20.72 °C
DISSOLVED O_2 0.80 mg/L — SPECIFIC CONDUCTIVITY 1716.0 µs/cm

PURGE END TIME: 15:33
pH 6.05 su — TEMP 20.85 °C
DISSOLVED O_2 1.31 mg/L — SPECIFIC CONDUCTIVITY 3962.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.68 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:40
pH 5.78 su — TEMP 20.62 °C
DISSOLVED O_2 0.69 mg/L — SPECIFIC CONDUCTIVITY 3817.0 µs/cm

SAMPLE END TIME: 15:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/26/06
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.38 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.37 ft
(7.37) X .65 X 3 = 14.37
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: 13:09
pH 6.53 su — TEMP 16.18 °C
DISSOLVED O_2 0.54 mg/L — SPECIFIC CONDUCTIVITY 1379.0 µs/cm

PURGE END TIME: 14:14
pH 6.45 su — TEMP 18.18 °C
DISSOLVED O_2 1.74 mg/L — SPECIFIC CONDUCTIVITY 879.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.41 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:20
pH 6.37 su — TEMP 17.64 °C
DISSOLVED O_2 1.71 mg/L — SPECIFIC CONDUCTIVITY 858.0 µs/cm

SAMPLE END TIME: 14:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/26/06
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.32 ft
DEPTH OF WELL: 15.74 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: 11:29
pH 4.17 su
DISSOLVED O_2 1.56 mg/L
TEMP 17.08 °C
SPECIFIC CONDUCTIVITY 914.0 µs/cm

PURGE END TIME: 12:43
pH 5.56 su
DISSOLVED O_2 3.55 mg/L
TEMP 17.97 °C
SPECIFIC CONDUCTIVITY 1691.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.68 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 13:10
pH 5.42 su
DISSOLVED O_2 3.69 mg/L
TEMP 17.71 °C
SPECIFIC CONDUCTIVITY 1601.0 µs/cm

SAMPLE END TIME: 13:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/26/06
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.02 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.48 ft
(9.48) X .65 X 3 = 18.48
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:43
pH 6.05 su TEMP 18.11 °C
DISSOLVED O_2 0.65 mg/L SPECIFIC CONDUCTIVITY 1189.0 µs/cm

PURGE END TIME: 13:06
pH 6.36 su TEMP 18.02 °C
DISSOLVED O_2 0.49 mg/L SPECIFIC CONDUCTIVITY 2941.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.14 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:20
pH 6.48 su TEMP 17.83 °C
DISSOLVED O_2 0.27 mg/L SPECIFIC CONDUCTIVITY 2630.0 µs/cm

SAMPLE END TIME: 13:20

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	VB022915.D	Sample Name	MB 04August2006
Operator	Skelton	Field ID	MB 04August2006
Date Acquired	4 Aug 2006 3:18 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 04August2006

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 04August2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022915.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. Date Analyzed: 8/4/2006

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	VB022946.D	Sample Name	MB 09Aug2006
Operator	Skelton	Field ID	MB 09Aug2006
Date Acquired	9 Aug 2006 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	2.01 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	11.95	27158	3.46 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	30.19	10157	0.44 ug/L	600	0.36 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene	30.19	10157	0.40 ug/L	75	0.35 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene	31.02	11849	0.54 ug/L	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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 09Aug2006

Lab Name: FMETL NJDEP#: 13461

Project: Waste Case No.: 60345 Location: HWTF SDG No.: lakehurst

Matrix: (soil/water) WATER Lab Sample ID: MB 09Aug2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022946.D

Level: (low/med) LOW Date Received: 8/1/2006

% Moisture: not dec. _____ Date Analyzed: 8/9/2006

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	VB022921.D	Sample Name	6034001
Operator	Skelton	Field ID	Trip Blank
Date Acquired	4 Aug 2006 7:33 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			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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022921.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/4/2006

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	VB022922.D	Sample Name	6034002
Operator	Skelton	Field ID	Field Blank
Date Acquired	4 Aug 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

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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.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022922.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/4/2006

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	VB022923.D	Sample Name	6034003
Operator	Skelton	Field ID	2567Dupe
Date Acquired	4 Aug 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	13.10	329991	510.53 ug/L	100	5.70 ug/L	10.00 ug/L	E
1634044	Methyl-tert-Butyl ether	12.71	1292278	41.57 ug/L	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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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022947.D	Sample Name	6034003
Operator	Skelton	Field ID	2567Dupe
Date Acquired	9 Aug 2006 4:49 pm	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	20.10 ug/L	50.00 ug/L	
107131	Acrylonitrile			not detected	5	12.30 ug/L	50.00 ug/L	
75650	tert-Butyl alcohol	13.14	46327	732.51 ug/L	100	57.00 ug/L	100.00 ug/L	D
1634044	Methyl-tert-Butyl ether	12.72	201283	66.17 ug/L	70	2.10 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	20000	2.60 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	2.00 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	nle	2.40 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	2.30 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.60 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	2.90 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	2.30 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	1.90 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	6000	3.60 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	2.40 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	2.10 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	2.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	2.40 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	2.00 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.60 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	2.00 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	70	2.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.00 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	2.40 ug/L	20.00 ug/L	
71-43-2	Benzene			not detected	1	2.40 ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	2.30 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.60 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.40 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.20 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	2.30 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	2.20 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	3.50 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	2.60 ug/L	20.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	2.50 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.80 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	2.00 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	4.30 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	2.20 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	2.80 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	2.70 ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	4.30 ug/L	40.00 ug/L	
95-47-6	o-Xylene			not detected	nle	2.10 ug/L	20.00 ug/L	
100-42-5	Styrene			not detected	100	2.10 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.70 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	4.50 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.60 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.50 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	4.50 ug/L	20.00 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022923.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. Date Analyzed: 8/4/2006

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. 000115-11-7	1-Propene, 2-methyl-	5.29	5	JN

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

Data File	VB022924.D	Sample Name	6034004
Operator	Skelton	Field ID	2567MW#01
Date Acquired	4 Aug 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	13.11	341926	526.84 ug/L	100	5.70 ug/L	10.00 ug/L	E
1634044	Methyl-tert-Butyl ether	12.72	1253172	40.15 ug/L	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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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022948.D	Sample Name	6034004
Operator	Skelton	Field ID	2567MW#01
Date Acquired	9 Aug 2006 5:30 pm	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	20.10 ug/L	50.00 ug/L	
107131	Acrylonitrile			not detected	5	12.30 ug/L	50.00 ug/L	
75650	tert-Butyl alcohol	13.15	39752	661.42 ug/L	100	57.00 ug/L	100.00 ug/L	D
1634044	Methyl-tert-Butyl ether	12.71	172706	59.75 ug/L	70	2.10 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	20000	2.60 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	2.00 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	nle	2.40 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	2.30 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.60 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	2.90 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	2.30 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	1.90 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	6000	3.60 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	2.40 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	2.10 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	2.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	2.40 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	2.00 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.60 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	2.00 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	70	2.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.00 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	2.40 ug/L	20.00 ug/L	
71-43-2	Benzene			not detected	1	2.40 ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	2.30 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.60 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.40 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.20 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	2.30 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	2.20 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	3.50 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	2.60 ug/L	20.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	2.50 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.80 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	2.00 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	4.30 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	2.20 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	2.80 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	2.70 ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	4.30 ug/L	40.00 ug/L	
95-47-6	o-Xylene			not detected	nle	2.10 ug/L	20.00 ug/L	
100-42-5	Styrene			not detected	100	2.10 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.70 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	4.50 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.60 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.50 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	4.50 ug/L	20.00 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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022924.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/4/2006

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. 000115-11-7	1-Propene, 2-methyl-	5.29	5	JN

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

Data File	VB022925.D	Sample Name	6034005
Operator	Skelton	Field ID	2567MW#02
Date Acquired	4 Aug 2006 10:16 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			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: **2567MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022925.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/4/2006

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	VB022926.D	Sample Name	6034006
Operator	Skelton	Field ID	2567MW#03
Date Acquired	4 Aug 2006 10:57 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	13.10	266282	421.11 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.69	3540795	116.42 ug/L	70	0.21 ug/L	2.00 ug/L	E
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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Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB022949.D	Sample Name	6034006
Operator	Skelton	Field ID	2567MW#03
Date Acquired	9 Aug 2006 6:10 pm	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	20.10 ug/L	50.00 ug/L	
107131	Acrylonitrile			not detected	5	12.30 ug/L	50.00 ug/L	
75650	tert-Butyl alcohol	13.15	25491	435.52 ug/L	100	57.00 ug/L	100.00 ug/L	D
1634044	Methyl-tert-Butyl ether	12.70	339815	120.71 ug/L	70	2.10 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	20000	2.60 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	1000	2.00 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	nle	2.40 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	1	2.30 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.60 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	2.90 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	2000	2.30 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	1	1.90 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	6000	3.60 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	700	2.40 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	3	2.10 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	2.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	50	2.40 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	7000	2.00 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.60 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	70	2.00 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	70	2.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.00 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	1	2.40 ug/L	20.00 ug/L	
71-43-2	Benzene			not detected	1	2.40 ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	2.30 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.60 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.40 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.20 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	2.30 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	1	2.20 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	nle	3.50 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	2.60 ug/L	20.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	1	2.50 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.80 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	2.00 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	4.30 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	1	2.20 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	50	2.80 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	2.70 ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	4.30 ug/L	40.00 ug/L	
95-47-6	o-Xylene			not detected	nle	2.10 ug/L	20.00 ug/L	
100-42-5	Styrene			not detected	100	2.10 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.70 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	1	4.50 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.60 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.50 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	4.50 ug/L	20.00 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: **2567MW#03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022926.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. Date Analyzed: 8/4/2006

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: 7

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000115-11-7	1-Propene, 2-methyl-	5.29	10	JN
2. 000078-78-4	Butane, 2-methyl-	6.72	14	JN
3. 000109-66-0	Pentane	7.48	4	JN
4.	unknown	10.81	12	J
5.	unknown	11.74	4	J
6. 000096-37-7	Cyclopentane, methyl-	14.53	15	JN
7. 000496-11-7	Indane	30.49	5	JN

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

Data File	VB022927.D	Sample Name	6034007
Operator	Skelton	Field ID	2567MW#04
Date Acquired	4 Aug 2006 11:38 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022927.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/4/2006

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	VB022928.D	Sample Name	6034008
Operator	Skelton	Field ID	2567MW#05
Date Acquired	5 Aug 2006 12:18 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022928.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/5/2006

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	VB022929.D	Sample Name	6034009
Operator	Skelton	Field ID	2567MW#06
Date Acquired	5 Aug 2006 12:59 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034009

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022929.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. _____ Date Analyzed: 8/5/2006

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	VB022930.D	Sample Name	6034010
Operator	Skelton	Field ID	2567MW#07
Date Acquired	5 Aug 2006 1:40 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	12.78	65501	2.40 ug/L	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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567MW#07**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 60340 Location: 2567 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 6034010

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB022930.D

Level: (low/med) LOW Date Received: 7/26/2006

% Moisture: not dec. Date Analyzed: 8/5/2006

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

METALS

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

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

Lab ID #: 60340
Sample Received: 07/26/06
Analysis Start: 08/11/06
Analysis Completed: 08/14/06

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
6034002	2567 Field Blank	ND	5.0	1.00	5.00
6034003	2567 Dup	ND	5.0	1.00	5.00
6034004	2567 MW#01	ND	5.0	1.00	5.00
6034005	2567 MW#02	ND	5.0	1.00	5.00
6034006	2567 MW#03	ND	5.0	1.00	5.00
6034007	2567 MW#04	ND	5.0	1.00	5.00
6034008	2567 MW#05	1.58	5.0	1.00	5.00
6034009	2567 MW#06	ND	5.0	1.00	5.00
6034010	2567 MW#07	ND	5.0	1.00	5.00
Method Blank	Method Blank	5.40	5.0	1.00	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit. Note.
Estimated results between MDL & R.L

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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
6047304	2567MW01	29-26925	10/31/06
6047305	2567MW02	29-26926	10/31/06
6047306	2567MW03	29-26947	10/31/06
6047307	2567MW04	29-26948	10/31/06
6047308	2567MW05	29-31783	10/31/06
6047309	2567MW06	29-42585	10/31/06
6047310	2567MW07	29-42586	10/31/06

NJDEP Laboratory Certification # 13461

11-28-06
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 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 FUNICIELLO

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA+15	Pb							Comments: Remarks / Preservation Method
60483 .01	2567 TRIP BLANK	10-31-06	8:00	AQ	2	X								
.02	2567 FIELD BLANK	10-31-06	10:50	AQ	3	X	X							
.03	2567 DUP.	10-31-06	——	AQ	3	X	X							
.04	2567 MW#01*	10-31-06	11:30	AQ	3	X	X							29-26925
.05	2567 MW#02	10-31-06	11:00	AQ	3	X	X							29-26926
.06	2567 MW#03	10-31-06	11:40	AQ	3	X	X							29-26947
.07	2567 MW#04	10-31-06	11:20	AQ	3	X	X							29-26948
.08	2567 MW#05	10-31-06	12:40	AQ	3	X	X							29-31783
.09	2567 MW#06	10-31-06	11:50	AQ	3	X	X							29-42585
↓ .10	2567 MW#07	10-31-06	12:00	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funiciello	10/31/06 13:30				
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:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.47 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.63 ft
(9.63) X .65 X 3 = 18.77
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: 09:57
pH 6.67 su
DISSOLVED O_2 1.65 mg/L
TEMP 19.17 °C
SPECIFIC CONDUCTIVITY 4785.0 µs/cm

PURGE END TIME: 11:20
pH 6.85 su
DISSOLVED O_2 1.12 mg/L
TEMP 19.41 °C
SPECIFIC CONDUCTIVITY 6962.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.87 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:30
pH 6.89 su
DISSOLVED O_2 0.87 mg/L
TEMP 19.42 °C
SPECIFIC CONDUCTIVITY 7009.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.07 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.13 ft
(9.13) X .65 X 3 = 17.80
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: 09:41
pH 6.62 su
DISSOLVED O_2 3.54 mg/L
TEMP 19.28 °C
SPECIFIC CONDUCTIVITY 1682.0 µs/cm

PURGE END TIME: 10:59
pH 6.46 su
DISSOLVED O_2 3.63 mg/L
TEMP 20.02 °C
SPECIFIC CONDUCTIVITY 2055.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.77 ft
(SAMPLING METHOD: DEDICATED (JAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:00
pH 6.56 su
DISSOLVED O_2 2.77 mg/L
TEMP 19.89 °C
SPECIFIC CONDUCTIVITY 2053.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.68 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.82 ft
(9.82) X .65 X 3 = 19.14
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:04
pH 7.01 su
DISSOLVED O_2 1.13 mg/L
TEMP 19.39 °C
SPECIFIC CONDUCTIVITY 1059.0 µs/cm

PURGE END TIME: 11:31
pH 6.86 su
DISSOLVED O_2 2.85 mg/L
TEMP 19.88 °C
SPECIFIC CONDUCTIVITY 6785.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.94 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON @ BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:40
pH 6.80 su
DISSOLVED O_2 0.97 mg/L
TEMP 19.88 °C
SPECIFIC CONDUCTIVITY 6644.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.85 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.81 ft
(9.81) X .65 X 3 = 19.12
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:48
pH 6.41 su
DISSOLVED O_2 6.59 mg/L
TEMP 16.71 °C
SPECIFIC CONDUCTIVITY 9647.0 µs/cm

PURGE END TIME: 11:15
pH 5.75 su
DISSOLVED O_2 3.32 mg/L
TEMP 17.15 °C
SPECIFIC CONDUCTIVITY 3376.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.70 ft
(SAMPLING METHOD: DEDICATED (JAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:20
pH 5.72 su
DISSOLVED O_2 3.45 mg/L
TEMP 17.06 °C
SPECIFIC CONDUCTIVITY 3538.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.97 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.78 ft
(7.78) X .65 X 3 = 15.17
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: 11:24
pH 6.05 su
DISSOLVED O_2 4.30 mg/L
TEMP 15.48 °C
SPECIFIC CONDUCTIVITY 7110.0 µs/cm

PURGE END TIME: 12:34
pH 6.17 su
DISSOLVED O_2 5.44 mg/L
TEMP 14.65 °C
SPECIFIC CONDUCTIVITY 7633.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.35 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 12:40
pH 5.97 su
DISSOLVED O_2 5.40 mg/L
TEMP 14.62 °C
SPECIFIC CONDUCTIVITY 7010.0 µs/cm

SAMPLE END TIME: 12:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.40 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.34 ft
(9.34) X .65 X 3 = 18.21
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 4.39 su
DISSOLVED O_2 5.25 mg/L
TEMP 15.32 °C
SPECIFIC CONDUCTIVITY 1320.0 µs/cm

PURGE END TIME: 11:37
pH 5.15 su
DISSOLVED O_2 2.86 mg/L
TEMP 15.48 °C
SPECIFIC CONDUCTIVITY 1694.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.25 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:50
pH 4.83 su
DISSOLVED O_2 2.65 mg/L
TEMP 15.28 °C
SPECIFIC CONDUCTIVITY 1587.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 10/31/06
WEATHER: Sunny and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.37 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.13 ft
(10.13) X .65 X 3 = 19.75
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:24
pH 5.84 su
DISSOLVED O_2 1.89 mg/L
TEMP 16.09 °C
SPECIFIC CONDUCTIVITY 1007.0 µs/cm

PURGE END TIME: 11:51
pH 6.32 su
DISSOLVED O_2 1.31 mg/L
TEMP 16.72 °C
SPECIFIC CONDUCTIVITY 2181.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.77 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 12:00
pH 6.43 su
DISSOLVED O_2 1.02 mg/L
TEMP 16.70 °C
SPECIFIC CONDUCTIVITY 2184.0 µs/cm

SAMPLE END TIME: 12:00

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: VB023573.D
Operator: VBP
Date Acquired: 1 Nov 2006 11:09 am

Sample Name: MB-1 01NOV2006
Field ID:
Sample Multiplier: 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Limit[2]	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	20500	0.26 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	3040	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	2020	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	0.63 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
[2]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
RL = Reporting Limit

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB-1 01NOV2006

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: MB-1 01NOV2006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023573.D

Level: (low/med) LOW Date Received: 10/30/2006

% 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: VB023591.D
Operator: VBP
Date Acquired: 2 Nov 2006 12:20 am

Sample Name: 6047301
Field ID: 2567 TB
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	380	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	3	0.24 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	3	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	3000	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	300	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: 2567 TB

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023591.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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	VB023592.D	Sample Name	06473102
Operator	VRP	Field ID	2567 FB
Date Acquired	2 Nov 2006 1:03 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	300	5.70 ug/L	50.00 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	2	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	0.56 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	2000	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: 2567 FB

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023592.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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: VB023593.D
Operator: VBP
Date Acquired: 2 Nov 2006 1946 am

Sample Name: 6047303
Field ID: 2567 DUP
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	13.12	384253	196.65 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.75	143697	1.24 ug/L	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	2000	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	11.88	10482	0.53 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	0.74 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	2000	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	0.45 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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 DUP

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047303

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023593.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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	V8023594.D	Sample Name	60473D4
Operator	VBP	Field ID	2567 MW#01
Date Acquired	2 Nov 2006 2:30 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	13.12	424472	224.72 ug/L	500	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.74	171616	1.53 ug/L	70	0.21 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	70000	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	2000	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	0.21 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 PQLs 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: 2567 MW#01

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023594.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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	VB023595.D	Sample Name	6047395
Operator	VBP	Field ID	2567 MW#02
Date Acquired	2 Nov 2006 3:14 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)[1]	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 ug/L	5.00 ug/L	
107131	Acrylonitrile			not detected	5	1.25 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	0.20 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	0.26 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	0.32 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

[1]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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11/6/2006 11:06 AM

000922

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#02

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023595.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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	VB023596.D	Sample Name	6047306
Operator	VBP	Field ID	2567 MW#03
Date Acquired	2 Nov 2006 3:57 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	13.12	404264	209.31 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.70	1176569	16.26 ug/L	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	0.25 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	18.07	32067	0.14 ug/L	1	0.24 ug/L	2.00 ug/L	J
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	49178	0.19 ug/L	1000	0.26 ug/L	2.00 ug/L	J
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	25.68	70577	0.79 ug/L	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: 2567 MW#03

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023596.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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: 8

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000078-78-4	Butane, 2-methyl-	6.69	26	JN
2.	000109-66-0	Pentane	7.42	4	JN
3.	001191-96-4	Cyclopropane, ethyl-	10.72	27	JN
4.	000096-14-0	Pentane, 3-methyl-	11.60	13	JN
5.	000096-37-7	Cyclopentane, methyl-	14.45	30	JN
6.	000098-82-8	Benzene, (1-methylethyl)-	26.80	10	JN
7.	000103-65-1	Benzene, propyl-	27.52	10	JN
8.	000496-11-7	Indane	29.58	12	JN

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

Data File:	V1023597.D	Sample Name:	6067307
Operator:	VBP	Field ID:	2567 MW#04
Date Acquired:	2 Nov 2006 4:40 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	20600	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	2600	0.33 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	2000	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	3	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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11/3/2006 11:03 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#04

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023597.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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	VB023598.D	Sample Name	6047308
Operator	VBP	Field ID	2567 MW#05
Date Acquired	2 Nov 2006 5:24 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	2000	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: 2567 MW#05

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023598.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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: VB023599.D
Operator: VDP
Date Acquired: 2 Nov 2006 6:07 am

Sample Name: 6047309
Field ID: 2567 MW#06
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	0.23 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	0.26 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	300	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: 2567 MW#06

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023599.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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	VB023600.D	Sample Name	6047310
Operator	VBP	Field ID	2507 MW#07
Date Acquired	2 Nov 2006 6:50 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Limit (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	13.20	18493	10.21 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.72	191033	1.78 ug/L	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	0.22 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	11.89	18209	0.98 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	0.23 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	0.36 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	0.23 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 compared 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: 2567 MW#10

Lab Name: FMETL NJDEP#: 13461

Project: 60473 Case No.: 2567 Location: 4th QT SDG No.: MW

Matrix: (soil/water) WATER Lab Sample ID: 6047310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB023600.D

Level: (low/med) LOW Date Received: 10/30/2006

% Moisture: not dec. Date Analyzed: 11/2/2006

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

LEAD

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

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

Lab ID #: 60473
Sample Received: 10/31/06
Analysis Start: 11/20/06
Analysis Completed: 11/20/06

Site: Ft. Monmouth
2567 Wells

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
6047302	2567 Field Blank	ND	5.0	1.00	5.00
6047303	2567 Dup	ND	5.0	1.00	5.00
6047304	2567 MW#01	ND	5.0	1.00	5.00
6047305	2567 MW#02	ND	5.0	1.00	5.00
6047306	2567 MW#03	ND	5.0	1.00	5.00
6047307	2567 MW#04	ND	5.0	1.00	5.00
6047308	2567 MW#05	1.60	5.0	1.00	5.00
6047309	2567 MW#06	ND	5.0	1.00	5.00
6047310	2567 MW#07	ND	5.0	1.00	5.00
Method Blank	Method Blank	ND	5.0	1.00	5.00

ND = Not Detected, NA – Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.58	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1488.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.51	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

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SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000037

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.52				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
05/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.46	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.63	3.47				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A
Source 1 of 7 (cont.)

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

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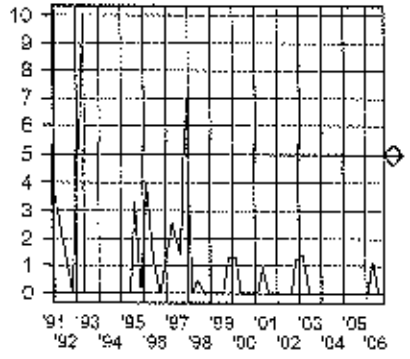
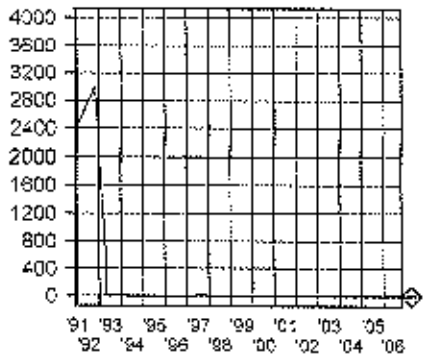
R000038

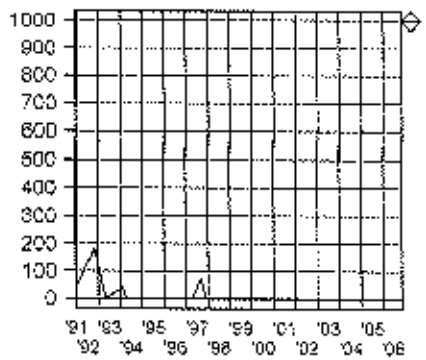
LEAD
(ug/L)



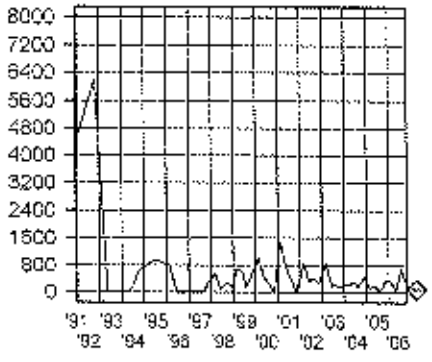
BENZENE
(ug/L)



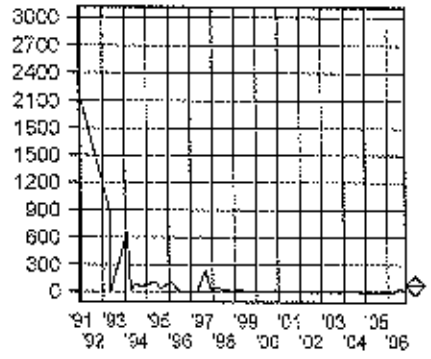
XYLENE
(ug/L)



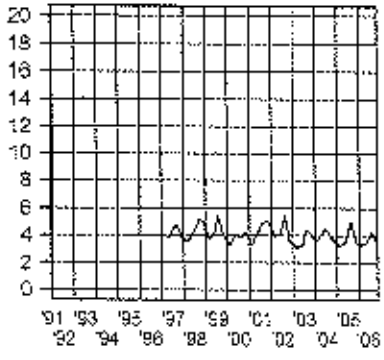
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 10/31/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

11-28-2006 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

40044139

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
05/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.8	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.93				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.55				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/28/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/08

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

11-26-2008 L:\DPW\ENVR_Lab\Lab Data\W Tech Data\2567\2567.WSF

000040

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V,Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

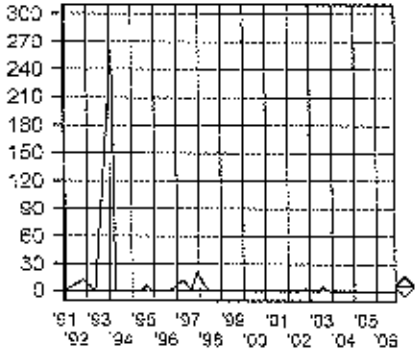
GW MONITORING
Bldg. 2567
Table / Graph A
Source 2 of 7 (cont.)

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

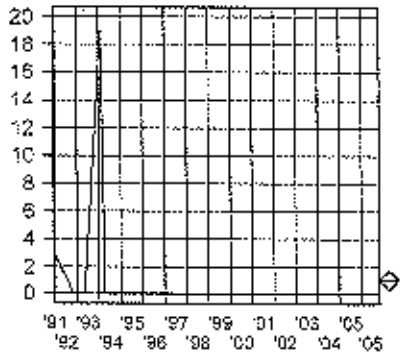
11-28-2006 L:\DPW\EV\VR_Lab\Lab's Data\MTechData\2567\2567.WBF

4000044

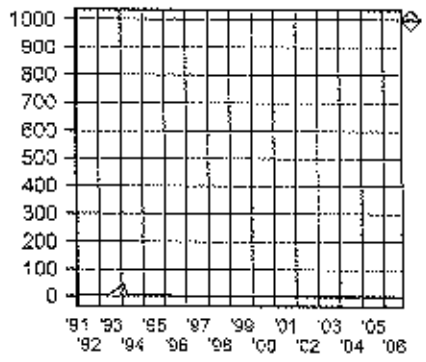
LEAD
(ug/L)



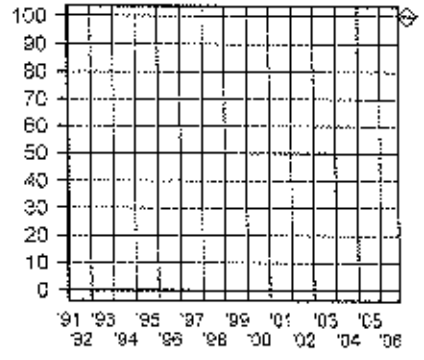
BENZENE
(ug/L)



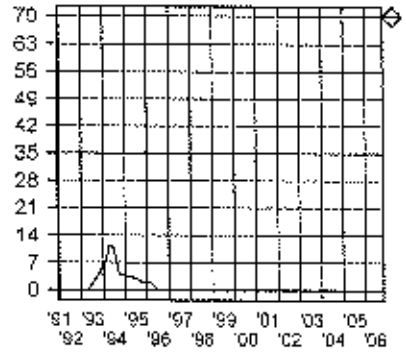
XYLENE
(ug/L)



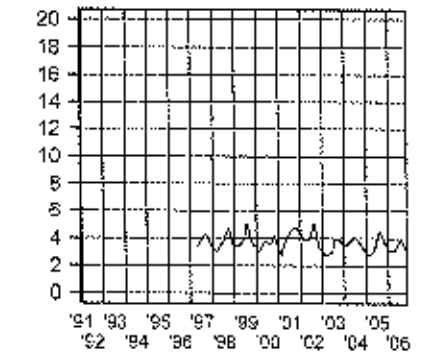
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 10/31/2005

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000042

11-28-2005 L:\DPW\ENVR_Lab\Lab Data\WTech\Data\2567\2567 WE

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	380	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.15				V,Pb
08/26/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.58				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.36	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.05	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.38	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.5	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

270003

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.863	ND	ND	ND	5.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
05/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.68	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.68				V,Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

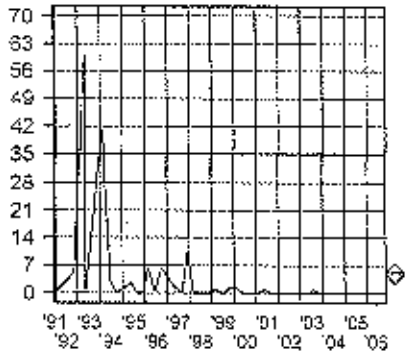
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

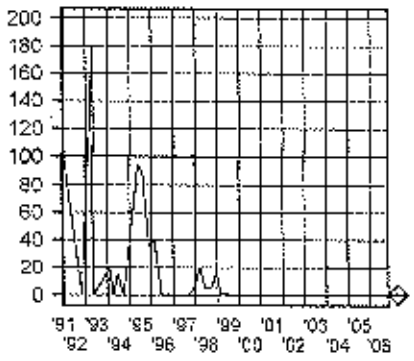
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000044

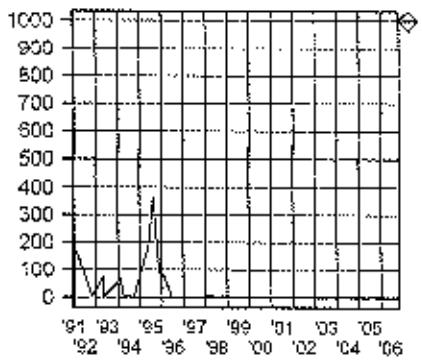
LEAD
(ug/L)



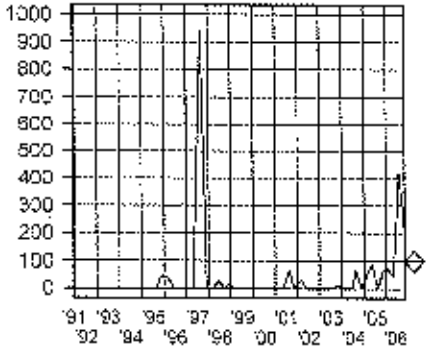
BENZENE
(ug/L)



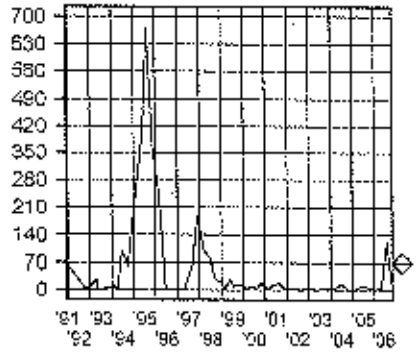
XYLENE
(ug/L)



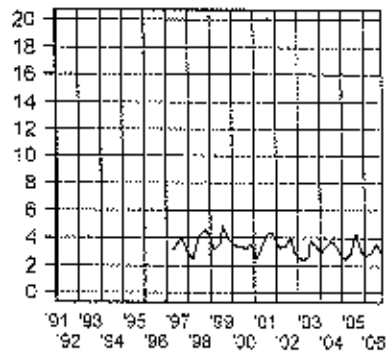
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 10/31/2006

LEGEND:

PARAMETER

a = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

11-28-2006 J:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	-	-	-				-
09/27/1996	FMETL	ND	ND	ND	-	-	-				-
04/11/1997	FMETL	2.3	ND	ND	-	-	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	-	-	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	-	-	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	-	-	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	-	-	2.53				V,Pb
09/24/1998	FMETL	ND	ND	ND	-	-	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	-	-	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	-	-	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

11-28-2006 L:\DPW\EVR_Lab\Lab Data\MTechData\2567\2567.WSP

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.28				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/28/2006	FMETL	ND	ND	ND	ND	ND	2.78				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V,Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

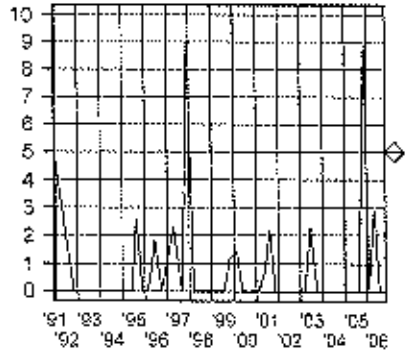
GW MONITORING
Bldg. 2567
Table / Graph A
Source 4 of 7 (cont.)

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

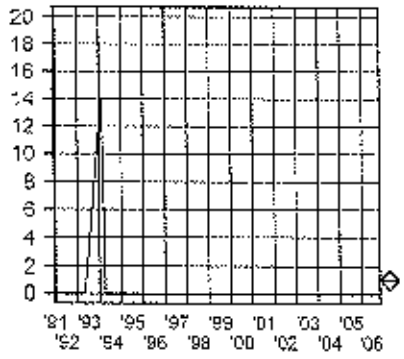
11-25-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.wsf

000047

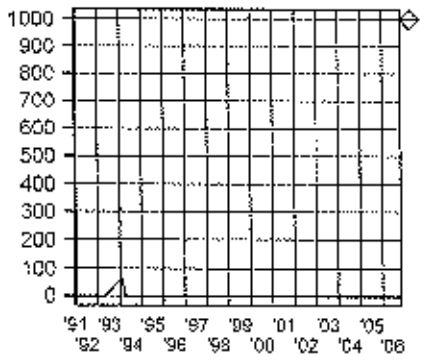
LEAD
(ug/L)



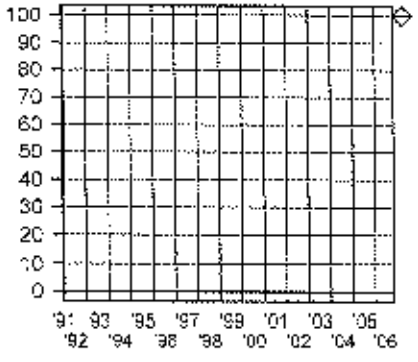
BENZENE
(ug/L)



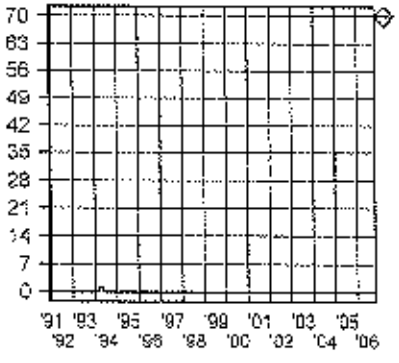
XYLENE
(ug/L)



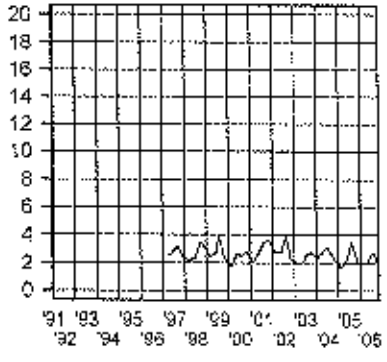
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 10/31/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg 2567
Table / Graph A
Source 4 of 7, Graph

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

11-28-2006 L:\DPW&E\VR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
08/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	ND	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	6.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.90	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	6.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/28/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	5.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Tabls / Graph A

Source 5 of 7

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

640044

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/28/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V,Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

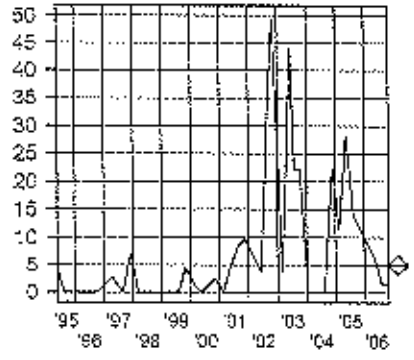
Source 5 of 7 (cont.)

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

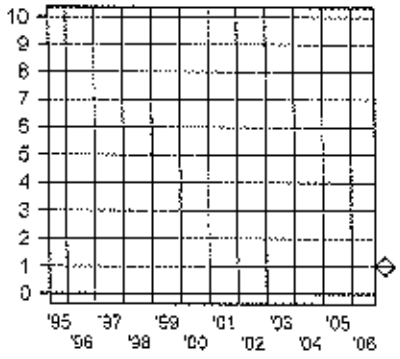
11-28-2006 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000050

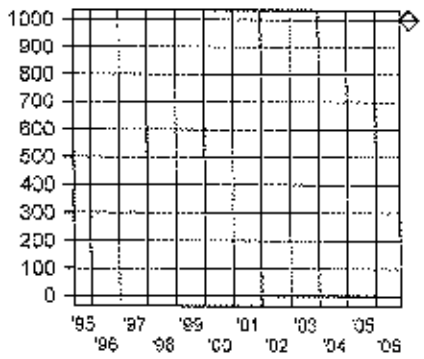
LEAD
(ug/L)



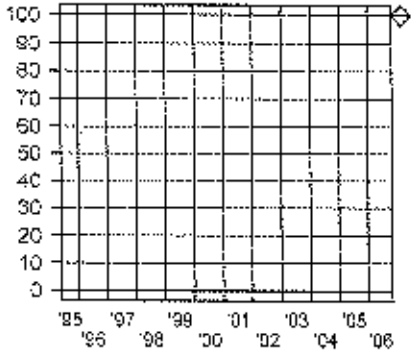
BENZENE
(ug/L)



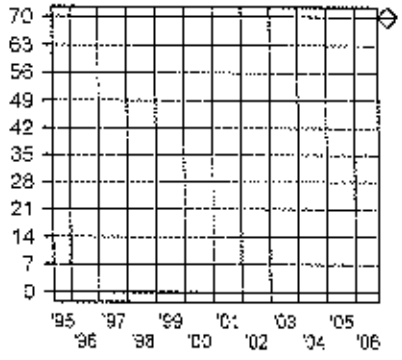
XYLENE
(ug/L)



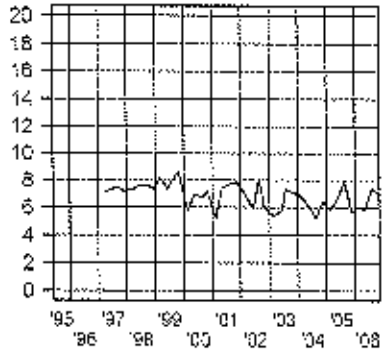
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 10/31/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A
Source 5 of 7, Graph

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

11-28-2006 U:\DPW\EA\VR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.08				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	6.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
05/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.81				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
05/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V,Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/06

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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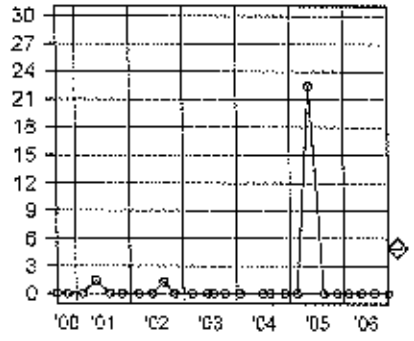
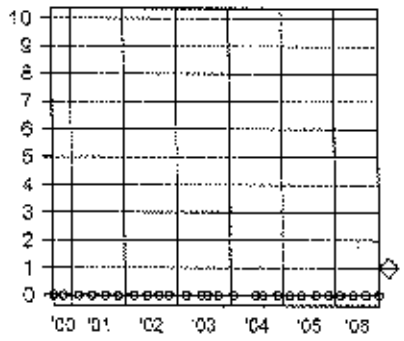
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

11-28-2006 L:\DPW\ENVR_Lab\Lab Data\MTech\Data\2567\2567.WST

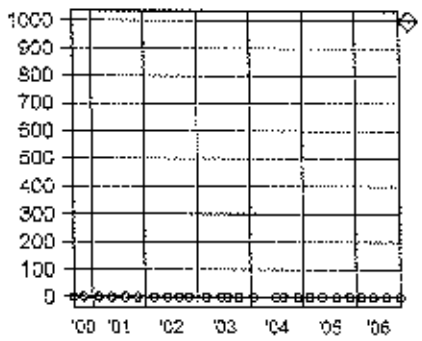
LEAD
(ug/L)



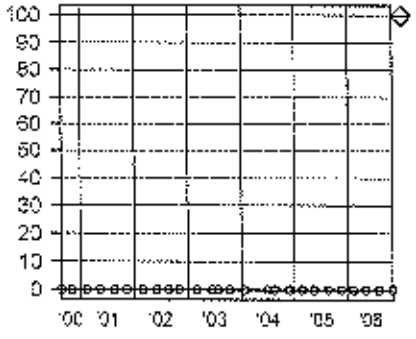
BENZENE
(ug/L)



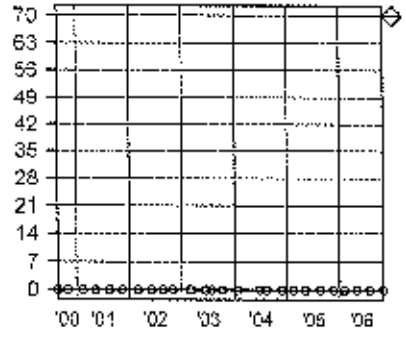
XYLENE
(ug/L)



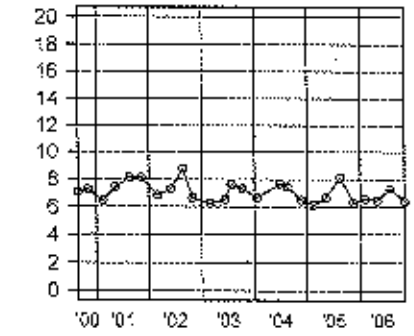
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 10/31/2006

LEGEND:

PARAMETER

o = Data Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

1-28-2009 c:\DPW\ENVR_Last\Lab Data\MTech Data\2567\2567.WBF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V,Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V,Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
08/22/2004	FMETL	ND	ND	ND	ND	2.96	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V,Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V,Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 10/31/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

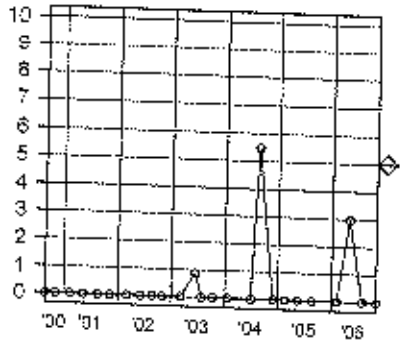
Source 7 of 7

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

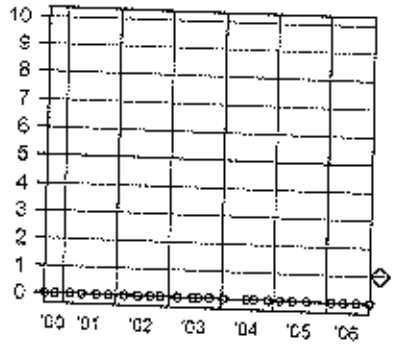
600054

11-26-2006 J:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WS7

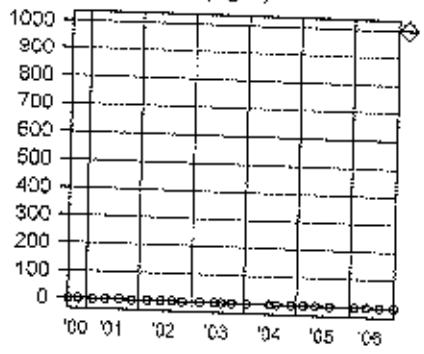
LEAD
(ug/L)



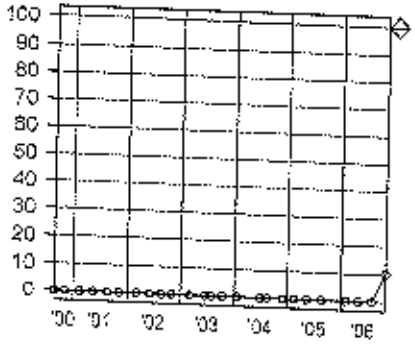
BENZENE
(ug/L)



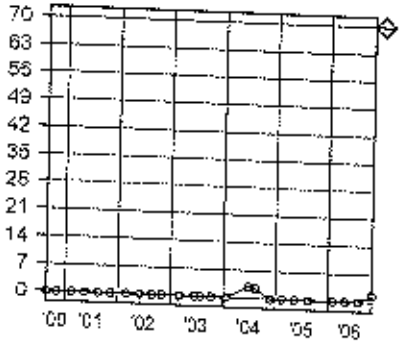
XYLENE
(ug/L)



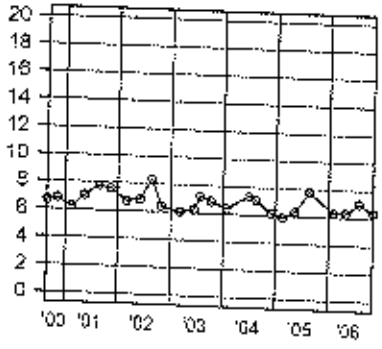
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 10/31/2006

LEGEND:

PARAMETER

◇ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

11-28-2006 L:\DPW\ENVR_Lab\Lab Data\VTool Data\2567\2567.WSF

550004

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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
7002104	2567MW01	29-26925	01/18/07
7002105	2567MW02	29-26926	01/18/07
7002106	2567MW03	29-26947	01/18/07
7002107	2567MW04	29-26948	01/18/07
7002108	2567MW05	29-31783	01/18/07
7002205	2567MW06	29-42585	01/19/07
7002205	2567MW07	29-42586	01/19/07

NJDEP Laboratory Certification # 13461

2-7-07
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	VOA's	TPH							Comments: Remarks / Preservation Method
11421.01	2567 TRIP BLANK	1-18-07	11:00	AQ	2	X								
.02	2567 FIELD BLANK	1-18-07	14:20	AQ	3	X	X							
.03	2567 DUP.	1-18-07	—	AQ	3	X	X							
.04	2567 MW # 01*	1-18-07	14:50	AQ	3	X	X							29-26925
.05	2567 MW #02	1-18-07	14:30	AQ	3	X	X							29-26926
.06	2567 MW #03	1-18-07	15:60	AQ	3	X	X							29-26947
.07	2567 MW #04	1-18-07	14:40	AQ	3	X	X							29-26948
.08	2567 MW #05	1-18-07	15:10	AQ	3	X	X							29-31783
.09	2567 MW #06	1-18-07		AQ	3	X	X					W.F.		
.10	2567 MW #07	1-18-07		AQ	3	X	X						W.F.	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	1-18-07 1600				
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_110/16/2006

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	1/OA+15	2b							Remarks / Preservation Method
70022.01	2567 TRIP BLANK	1-19-07	8:30	AQ	2	X								
.02	2567 FIELD BLANK	1-19-07	11:00	AQ	3	X	X							
.03	2567 DUP.	1-19-07	—	AQ	3	X	X							
.04	2567 MW #06*	1-19-07	11:30	AQ	3	X	X							29-42585
.05	2767 MW #07	1-19-07	11:50	AQ	3	X	X							29-42586

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	1/19/07 13:00	[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:

000003

print legibly

COC_110/16/2006

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/18/07
WEATHER: Cloudy and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.47 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.63 ft
(9.63) X .65 X 3 = 18.77
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: 13:22
pH 6.83 su — TEMP 12.22 °C
DISSOLVED O_2 2.15 mg/L — SPECIFIC CONDUCTIVITY 4603.0 µs/cm

PURGE END TIME: 14:45
pH 6.66 su — TEMP 12.36 °C
DISSOLVED O_2 2.37 mg/L — SPECIFIC CONDUCTIVITY 5861.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.12 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:50
pH 7.14 su — TEMP 12.29 °C
DISSOLVED O_2 1.71 mg/L — SPECIFIC CONDUCTIVITY 6154.0 µs/cm

SAMPLE END TIME: 14:50

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/18/07
WEATHER: Cloudy and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.11 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.09 ft
(9.09) X .65 X 3 = 17.75
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: 13:07
pH 7.07 su — TEMP 13.68 °C
DISSOLVED O_2 2.03 mg/L — SPECIFIC CONDUCTIVITY 1526.0 µs/cm

PURGE END TIME: 14:25
pH 6.59 su — TEMP 13.54 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 1956.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.16 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:30
pH 6.93 su — TEMP 13.83 °C
DISSOLVED O_2 1.47 mg/L — SPECIFIC CONDUCTIVITY 2052.0 µs/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/18/07
WEATHER: Cloudy and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.76 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.74 ft
(9.74) X .65 X 3 = 18.99
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:33
pH 7.43 su
DISSOLVED O_2 3.25 mg/L
TEMP 12.65 °C
SPECIFIC CONDUCTIVITY 8189.0 µs/cm

PURGE END TIME: 14:56
pH 7.25 su
DISSOLVED O_2 1.89 mg/L
TEMP 12.89 °C
SPECIFIC CONDUCTIVITY 5082.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.87 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:00
pH 7.22 su
DISSOLVED O_2 1.31 mg/L
TEMP 12.80 °C
SPECIFIC CONDUCTIVITY 5161.0 µs/cm

SAMPLE END TIME: 15:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/18/07
WEATHER: Cloudy and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.11 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.55 ft
(9.55) X .65 X 3 = 18.62
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 13:14
pH 7.26 su — TEMP 10.78 °C
DISSOLVED O_2 4.29 mg/L — SPECIFIC CONDUCTIVITY 7916.0 µs/cm

PURGE END TIME: 14:37
pH 6.74 su — TEMP 10.89 °C
DISSOLVED O_2 2.18 mg/L — SPECIFIC CONDUCTIVITY 2262.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.40 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON @ BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:40
pH 6.33 su — TEMP 10.93 °C
DISSOLVED O_2 1.41 mg/L — SPECIFIC CONDUCTIVITY 2082.0 µs/cm

SAMPLE END TIME: 14:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/18/07
WEATHER: Cloudy and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.57 ft
DEPTH OF WELL: 14.75 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: 0.00 ppm

PURGE START TIME: 13:44
pH 6.54 su — TEMP 10.22 °C
DISSOLVED O_2 1.71 mg/L — SPECIFIC CONDUCTIVITY 4446.0 µs/cm

PURGE END TIME: 14:54
pH 6.78 su — TEMP 11.16 °C
DISSOLVED O_2 4.41 mg/L — SPECIFIC CONDUCTIVITY 4881.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.76 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 15:10
pH 6.72 su — TEMP 10.98 °C
DISSOLVED O_2 2.67 mg/L — SPECIFIC CONDUCTIVITY 4779.0 µs/cm

SAMPLE END TIME: 15:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/19/07
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.49 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.25 ft
(9.25) X .65 X 3 = 18.03
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: 10:02
pH 6.06 su — TEMP 10.55 °C
DISSOLVED O_2 2.84 mg/L — SPECIFIC CONDUCTIVITY 9573.0 µs/cm

PURGE END TIME: 11:25
pH 5.57 su — TEMP 10.26 °C
DISSOLVED O_2 1.87 mg/L — SPECIFIC CONDUCTIVITY 9117.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.58 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:30
pH 5.53 su — TEMP 10.24 °C
DISSOLVED O_2 1.63 mg/L — SPECIFIC CONDUCTIVITY 9150.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 01/19/07
WEATHER: Sunny and cold
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.21 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.29 ft
(10.29) X .65 X 3 = 20.06
GALLONS OF H2O TO BE PURGED: 21 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 6.07 su TEMP 10.71 °C
DISSOLVED O_2 1.85 mg/L SPECIFIC CONDUCTIVITY 6557.0 µs/cm

PURGE END TIME: 11:41
pH 6.32 su TEMP 11.32 °C
DISSOLVED O_2 1.98 mg/L SPECIFIC CONDUCTIVITY 6054.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.10 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 11:50
pH 6.75 su TEMP 11.40 °C
DISSOLVED O_2 1.81 mg/L SPECIFIC CONDUCTIVITY 6088.0 µs/cm

SAMPLE END TIME: 11:50

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: VB024268.D
Operator: VBP
Date Acquired: 24 Jan 2007 6:08 pm

Sample Name: MB 24 JAN 2007
Field ID:
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	16.59	26550	0.36 ug/L	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	
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	
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 24 JAN 2007

Lab Name: FMETL NJDEP#: 13461

Project: 70022 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: MB 24 JAN 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024268.D

Level: (low/med) LOW Date Received: 1/19/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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	VB024269.D	Sample Name	7002101
Operator	VBP	Field ID	2567 Trip Blank
Date Acquired	24 Jan 2007 6:50 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	16.58	27755	0.37 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	
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
NLS = 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: **2567 Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002101

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024269.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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	VB024281.D	Sample Name	7002201
Operator	VBP	Field ID	2567 Trip Blank
Date Acquired	25 Jan 2007 3:19 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	0.20 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	16.58	17565	0.23 ug/L	70	0.22 ug/L	2.00 ug/L	B
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	
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	
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
RL = Reporting Limit

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1/25/2007 3:26 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 70022 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002201

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024281.D

Level: (low/med) LOW Date Received: 1/19/2007

% Moisture: not dec. Date Analyzed: 1/25/2007

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	VB024270.D	Sample Name	70002102
Operator	VBP	Field ID	2567 Field Blank
Date Acquired	24 Jan 2007 7:32 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	nlc	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	nlc	0.29 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	3000	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	16.58	27237	0.35 ug/L	70	0.22 ug/L	2.00 ug/L	B
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	nlc	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	nlc	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	nlc	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	nlc	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nlc	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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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024270.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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	VB024282.D	Sample Name	7002202
Operator	VBP	Field ID	2567 Field Blank
Date Acquired	25 Jan 2007 4:02 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.01 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	16.58	10354	0.14	70	0.22 ug/L	2.00 ug/L	B
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	
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	
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 70022 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002202

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024282.D

Level: (low/med) LOW Date Received: 1/19/2007

% Moisture: not dec. Date Analyzed: 1/25/2007

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	VB024271.D	Sample Name	7002103
Operator	VBP	Field ID	2567 DUP
Date Acquired	24 Jan 2007 8:15 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)[1]	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	12.69	66105	0.92 ug/L	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	
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	
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	

[1]Results between MDL and RL are estimated values

[2]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: **2567 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024271.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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	VB024283.D	Sample Name	7UD2203
Operator	VBP	Field ID	2567 DUP
Date Acquired	25 Jan 2007 4:44 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	
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 02Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
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: **2567 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 70022 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024283.D

Level: (low/med) LOW Date Received: 1/19/2007

% Moisture: not dec. Date Analyzed: 1/25/2007

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	VB024272.D	Sample Name	7002104
Operator	VBP	Field ID	2567 MW#01
Date Acquired	24 Jan 2007 8:58 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	13.15	135027	114.24 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.69	79544	1.03 ug/L	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	
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	
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 07/Nov2003

Qualifiers

B = Compound found in related blank
E = Value above linear range
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: 2567 MW#01

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002104

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024272.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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: VB024273.D
Operator: VBP
Date Acquired: 24 Jun 2007 9:40 pm

Sample Name: 7002105
Field ID: 2567 MW#02
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	200001	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 MW#02**

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024273.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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	VB024274.D	Sample Name	7002106
Operator	VBP	Field ID	2567 MW#03
Date Acquired	24 Jan 2007 10:23 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	13.16	103628	81.05 ug/L	100	5.70 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.70	282211	3.75 ug/L	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	0.20 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	25.48	44269	0.69 ug/L	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#03

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024274.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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: 11

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000078-78-4	Butane, 2-methyl-	6.64	46	JN
2.	000109-66-0	Pentane	7.38	13	JN
3.	000079-29-8	Butane, 2,3-dimethyl-	10.60	13	JN
4.	000287-92-3	Cyclopentane	10.72	31	JN
5.	000096-14-0	Pentane, 3-methyl-	11.60	22	JN
6.	000096-37-7	Cyclopentane, methyl-	14.42	49	JN
7.	000565-59-3	Pentane, 2,3-dimethyl-	16.71	3	JN
8.	000108-87-2	Cyclohexane, methyl-	19.42	3	JN
9.	000098-82-8	Benzene, (1-methylethyl)-	26.80	8	JN
10.	000103-65-1	Benzene, propyl-	27.52	8	JN
11.	000496-11-7	Indane	29.58	11	JN

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

Data File	VH024275.D	Sample Name	7002107
Operator	VBP	Field ID	2567 MW#04
Date Acquired	24 Jan 2007 11:05 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	
75-35-3	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	
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	
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 07Nov2006

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = 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: 2567 MW#04

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002107

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024275.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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: VH024276.D
Operator: VBP
Date Acquired: 24 Jan 2007 11:48 pm

Sample Name: 7002108
Field ID: 2567 MW#05
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	nlc	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	nlc	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	2000	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	nlc	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	nlc	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	nlc	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	nlc	0.43 ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not detected	nlc	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 01Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLR = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

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000035
1/25/2007 1:41 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#05

Lab Name: FMETL NJDEP#: 13461

Project: 70021 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002108

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024276.D

Level: (low/med) LOW Date Received: 1/18/2007

% Moisture: not dec. Date Analyzed: 1/24/2007

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: VH024284.D
Operator: VBP
Date Acquired: 25 Jan 2007 5:27 am

Sample Name: 7002204
Field ID: 2567 MW#06
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	
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	
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: **2567 MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: 70022 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002204

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: V8024284.D

Level: (low/med) LOW Date Received: 1/19/2007

% Moisture: not dec. Date Analyzed: 1/25/2007

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	VB024285.D	Sample Name	7002205
Operator	VBP	Field ID	2567 MW#07
Date Acquired	25 Jan 2007 6:09 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	
75-35-3	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	
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	
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: 2567 MW#07

Lab Name: FMETL NJDEP#: 13461

Project: 70022 Case No.: MW Location: 2567 SDG No.: 1st Qtr

Matrix: (soil/water) WATER Lab Sample ID: 7002205

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB024285.D

Level: (low/med) LOW Date Received: 1/19/2007

% Moisture: not dec. Date Analyzed: 1/25/2007

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

LEAD

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

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

Site: Ft. Monmouth
2567 Wells

Lab ID #: 70021 & 70022
Sample Received: 01/18/07
Analysis Start: 01/22/07
Analysis Completed: 01/29/07

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
7002102	2567 Field Blank	ND	5.0	1.00	5.00
7002103	2567 Dup	ND	5.0	1.00	5.00
7002104	2567 MW#01	ND	5.0	1.00	5.00
7002105	2567 MW#02	ND	5.0	1.00	5.00
7002106	2567 MW#03	ND	5.0	1.00	5.00
7002107	2567 MW#04	ND	5.0	1.00	5.00
7002108	2567 MW#05	6.36	5.0	1.00	5.00
7002202	2567 Field Blank	ND	5.0	1.00	5.00
7002203	2567 Dup	ND	5.0	1.00	5.00
7002204	2567 MW#06	ND	5.0	1.00	5.00
7002205	2567 MW#07	ND	5.0	1.00	5.00
Method Blank	Method Blank	ND	5.0	1.00	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
05/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	575	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	456.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1498.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.15	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000044

02-08-2007 C:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/26/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

000047

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
05/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

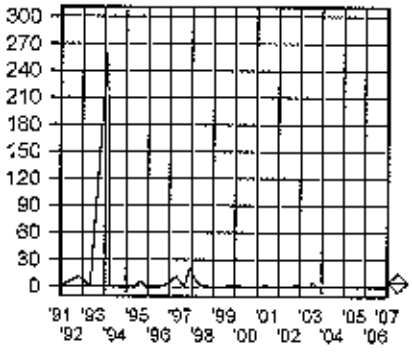
Source 2 of 7 (cont.)

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

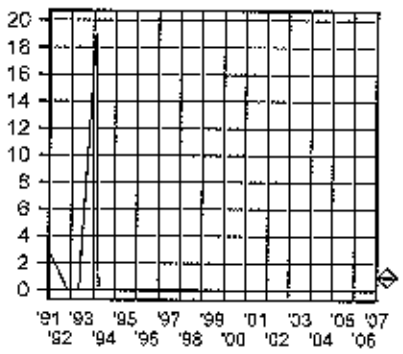
000048

02-28-2007 J:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

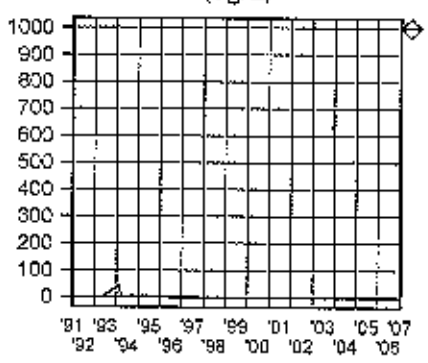
LEAD
(ug/L)



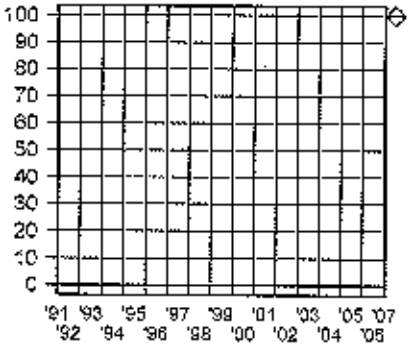
BENZENE
(ug/L)



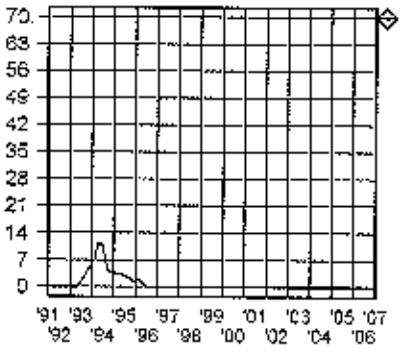
XYLENE
(ug/L)



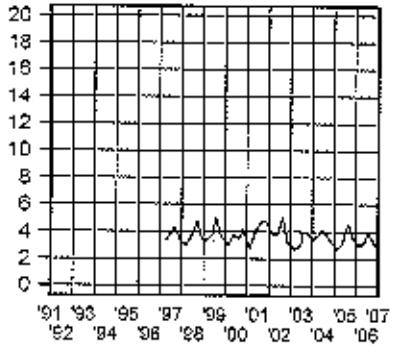
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000049

02-08-2007 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
05/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/28/1999	FMETL	ND	1.70	1.29	ND	26.34	3.65				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
05/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

22-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

000050

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.52	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/13/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.68	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.68				V, Pb
01/18/2007	FMETL	ND	ND	0.69	81.05	3.75	2.76				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

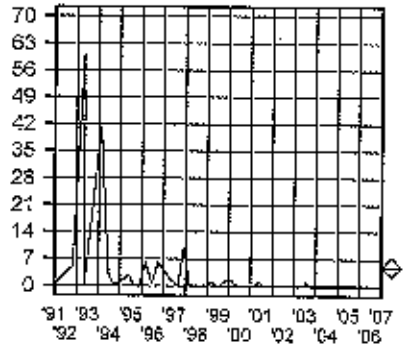
GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7 (cont.)

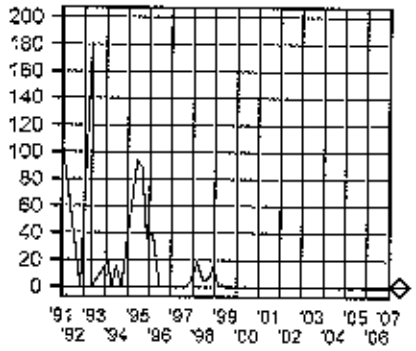
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

ES0054

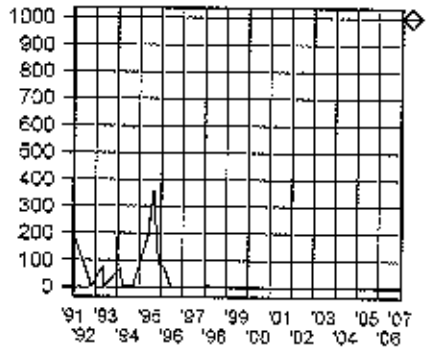
LEAD
(ug/L)



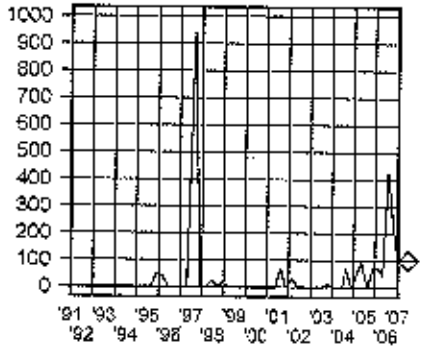
BENZENE
(ug/L)



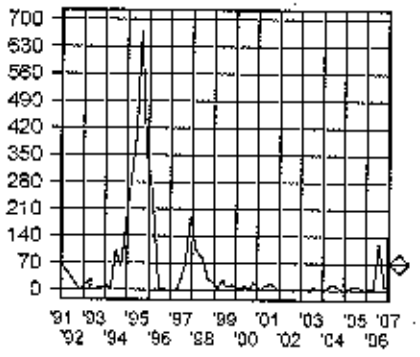
XYLENE
(ug/L)



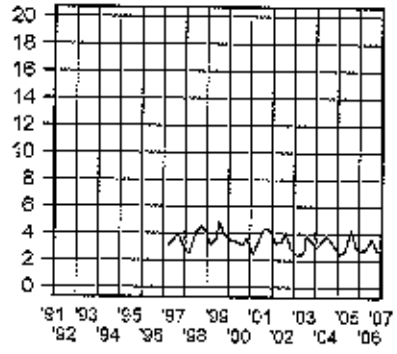
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

02-08-2007 J:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

250052

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/29/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	-	-	-				-
09/27/1996	FMETL	ND	ND	ND	-	-	-				-
04/11/1997	FMETL	2.3	ND	ND	-	-	2.56				V,Pb
08/28/1997	FMETL	ND	ND	ND	-	-	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	-	-	2.46				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	-	-	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	-	-	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	-	-	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	-	-	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	-	-	2.44				V,Pb
05/28/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/25/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

000053

02-06-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WBF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.28				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

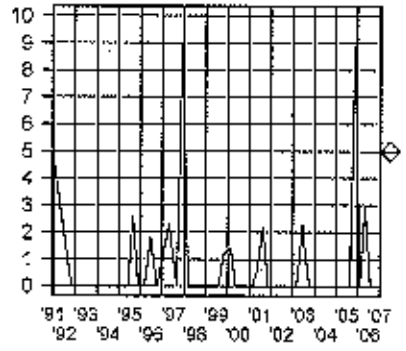
Source 4 of 7 (cont.)

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

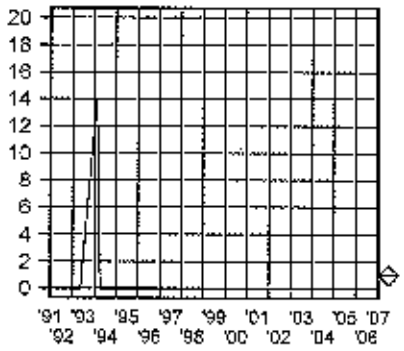
02-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000054

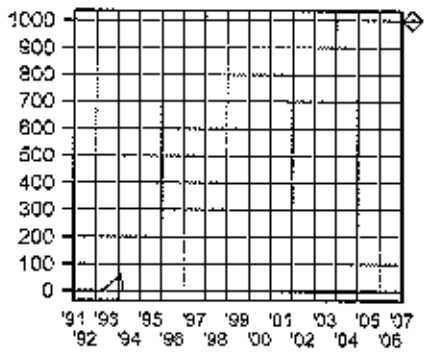
LEAD
(ug/L)



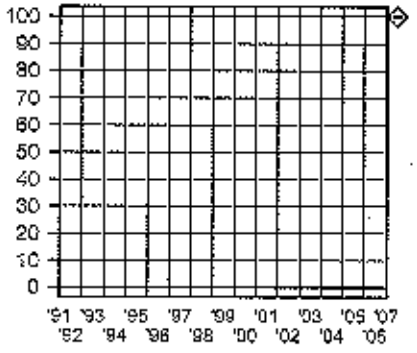
BENZENE
(ug/L)



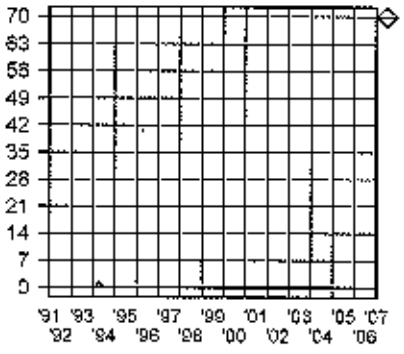
XYLENE
(ug/L)



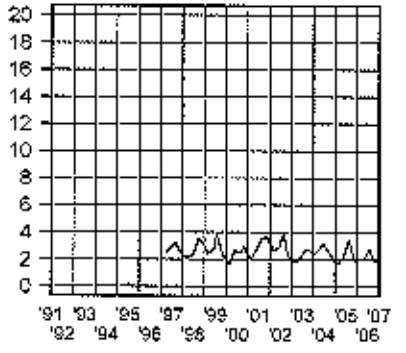
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water.
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

000055

02-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2537.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1995	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	ND	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.28				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/25/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
09/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

000056

02-09-2007 L:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WBF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

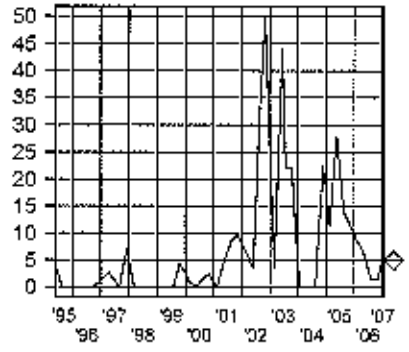
Source 5 of 7 (cont.)

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

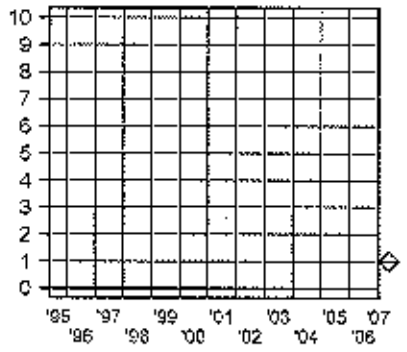
000057

02-08-2007 C:\DPW\E\VR_Lab\Lab Data\MTechData\2567\2567.WSF

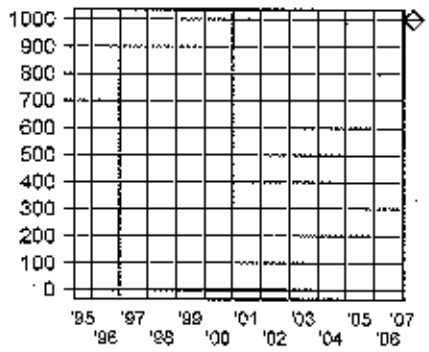
LEAD
(ug/L)



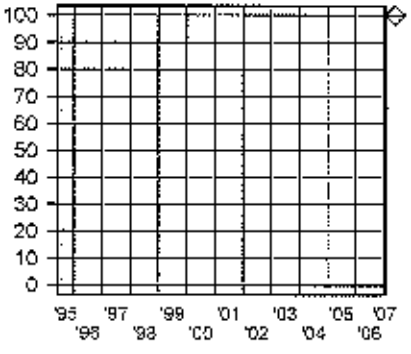
BENZENE
(ug/L)



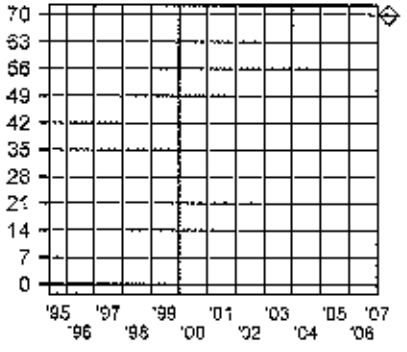
XYLENE
(ug/L)



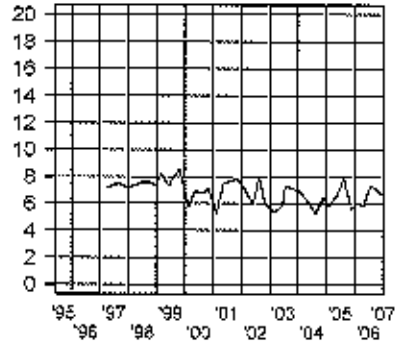
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

850058

02-06-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/15/2004	FMETL	ND	ND	ND	ND	ND	6.85				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

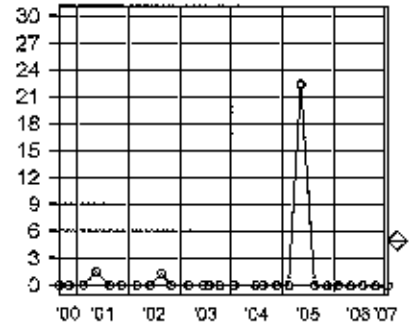
Source 5 of 7

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

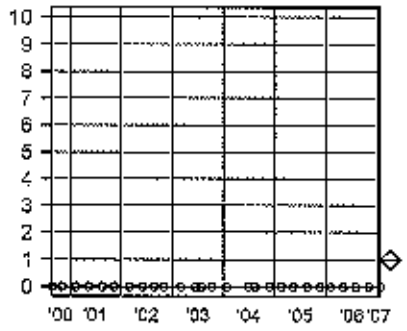
000059

02-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTest Data\2567Q2567.WSF

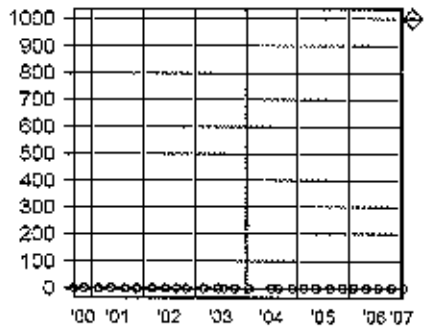
LEAD
(ug/L)



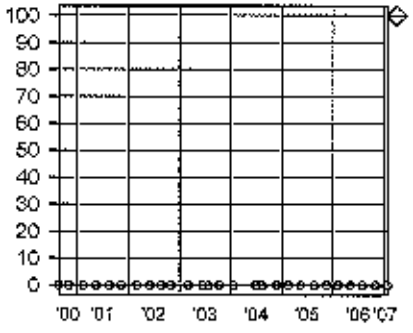
BENZENE
(ug/L)



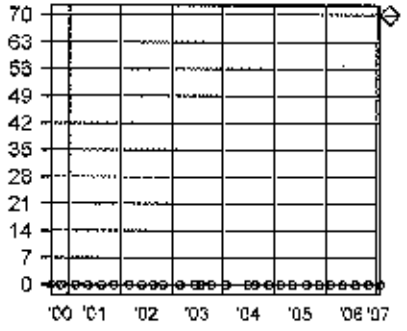
XYLENE
(ug/L)



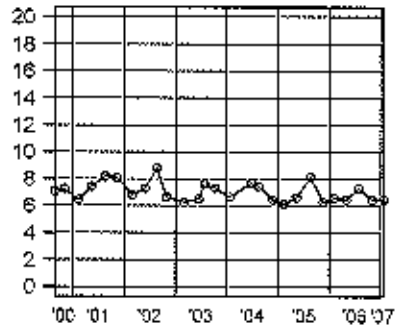
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

000060

02-09-2007 L:\DPW\ENVR_Lab\Lab Data\MTech\Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.68				V, Pb
01/18/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

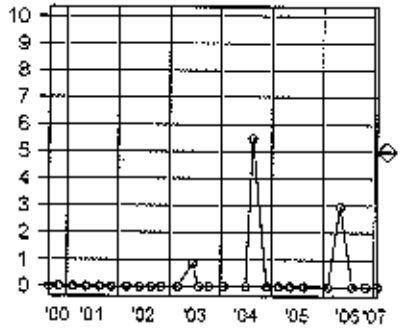
Source 7 of 7

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

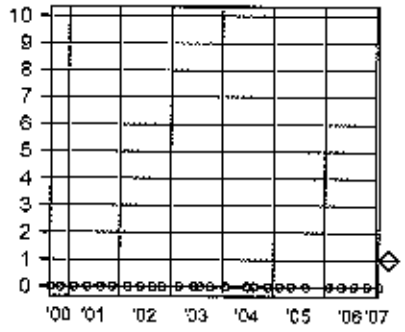
T9000

02-06-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

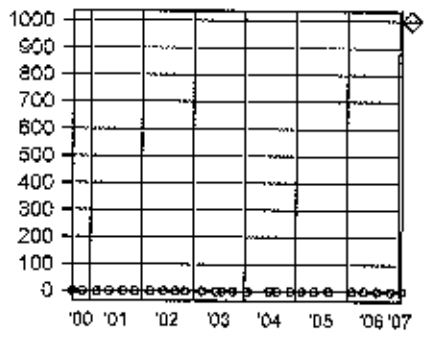
LEAD
(ug/L)



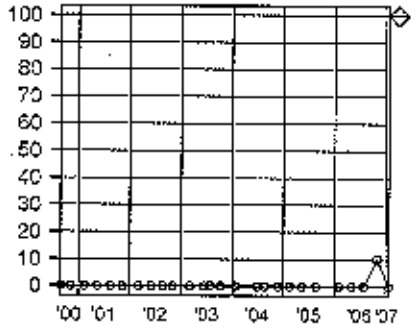
BENZENE
(ug/L)



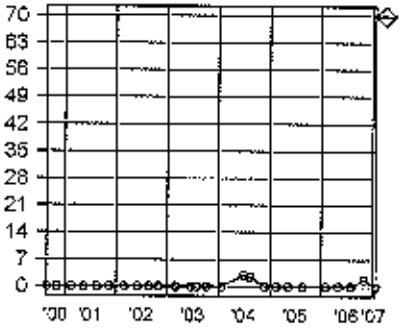
XYLENE
(ug/L)



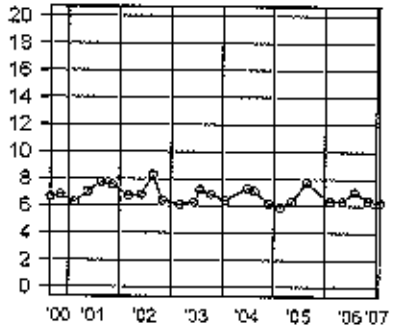
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

22-08-2007 L:\DPW\ENVR_Lab\Lab Data\Tech Data\2567\2567 WS7

000062

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. 2567

LABORATORY ID #	MONITOR WELL #	NJDEP WELL ID#	SAMPLE DATE
7016404	2567MW01	29-26925	05/08/07
7016405	2567MW02	29-26926	05/08/07
7016406	2567MW03	29-26927	05/08/07
7016407	2567MW04	29-26928	05/08/07
7016408	2567MW05	29-31783	05/08/07
7016409	2567MW06	29-42585	05/08/07
7016410	2567MW07	29-42586	05/08/07

6-7-07

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:
Location: 2ND QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA'S	Pb							Comments: Remarks / Preservation Method
70164 .01	2567 TRIP BLANK	5-8-07	8:40	AQ	2	X								
.02	2567 FIELD BLANK	5-8-07	10:40	AQ	3	X	X							
.03	2567 DUP.	5-8-07	—	AQ	3	X	X							
.04	2567 MW #01*	5-8-07	11:30	AQ	3	X	X							29-26925
.05	2567 MW #02	5-8-07	11:20	AQ	3	X	X							29-26926
.06	2567 MW #03	5-8-07	11:40	AQ	3	X	X							29-26927
.07	2567 MW #04	5-8-07	12:40	AQ	3	X	X							29-26928
.08	2567 MW #05	5-8-07	11:00	AQ	3	X	X							29-31783
.09	2567 MW #06	5-8-07	10:50	AQ	3	X	X							29-42585
.10	2567 MW #07	5-8-07	11:10	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	5/8/07 13:30				
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:

200000

print legibly

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 3.58 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 9.52 ft
(9.52) X 0.65 X 3 = 18.56
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
IInu READING: 0.0 PPM

PURGE START TIME: 10:04
pH 6.74 su — TEMP 12.40 °C
DISSOLVED O_2 1.98 mg/L — SPECIFIC CONDUCTIVITY 3763 us/cm

PURGE END TIME: 11:27
pH 7.11 su — TEMP 13.41 °C
DISSOLVED O_2 2.16 mg/L — SPECIFIC CONDUCTIVITY 5479 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.07 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:30
pH 7.37 su — TEMP 13.05 °C
DISSOLVED O_2 1.88 mg/L — SPECIFIC CONDUCTIVITY 5544 us/cm

SAMPLE END TIME: 11:30

COMMENTS: Dup here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 3.35 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 8.85 ft
(8.85) X 0.65 X 3 = 17.25
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:57
pH 6.49 su — TEMP 13.81 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 1456 us/cm

PURGE END TIME: 11:15
pH 7.26 su — TEMP 14.05 °C
DISSOLVED O_2 2.27 mg/L — SPECIFIC CONDUCTIVITY 1443 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.31 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:20
pH 7.28 su — TEMP 14.08 °C
DISSOLVED O_2 2.08 mg/L — SPECIFIC CONDUCTIVITY 1486 us/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 2.85 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 9.65 ft
(9.65) X 0.65 X 3 = 18.81
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: 10:14
pH 6.96 su — TEMP 13.76 °C
DISSOLVED O_2 2.04 mg/L — SPECIFIC CONDUCTIVITY 2597 us/cm

PURGE END TIME: 11:37
pH 6.90 su — TEMP 14.54 °C
DISSOLVED O_2 1.87 mg/L — SPECIFIC CONDUCTIVITY 5138 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.05 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:40
pH 7.34 su — TEMP 14.10 °C
DISSOLVED O_2 1.66 mg/L — SPECIFIC CONDUCTIVITY 5031 us/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 2.37 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 9.29 ft
(9.29) X 0.65 X 3 = 18.11
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: 11:12
pH 7.23 su — TEMP 11.63 °C
DISSOLVED O_2 3.08 mg/L — SPECIFIC CONDUCTIVITY 8624 us/cm

PURGE END TIME: 12:35
pH 7.19 su — TEMP 11.79 °C
DISSOLVED O_2 3.27 mg/L — SPECIFIC CONDUCTIVITY 2205 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.41 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:40
pH 7.30 su — TEMP 11.67 °C
DISSOLVED O_2 3.04 mg/L — SPECIFIC CONDUCTIVITY 2174 us/cm

SAMPLE END TIME: 12:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.93 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 8.02 ft
(8.02) X 0.65 X 3 = 15.63
GALLONS OF H_2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:49
pH 6.35 su — TEMP 10.02 °C
DISSOLVED O_2 4.54 mg/L — SPECIFIC CONDUCTIVITY 7738 us/cm

PURGE END TIME: 10:59
pH 6.94 su — TEMP 10.55 °C
DISSOLVED O_2 4.08 mg/L — SPECIFIC CONDUCTIVITY 7771 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.43 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:00
pH 6.99 su — TEMP 10.01 °C
DISSOLVED O_2 3.88 mg/L — SPECIFIC CONDUCTIVITY 6824 us/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.58 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 9.16 ft
(9.16) X 0.65 X 3 = 17.86
GALLONS OF H_2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 to <5.0 GPM): PERISTALIC
PURGE RATE: 0.23 GPM
Hnu READING: 0.0 PPM

PURGE START TIME: 09:25
pH 5.56 su — TEMP 9.17 °C
DISSOLVED O_2 3.71 mg/L — SPECIFIC CONDUCTIVITY 4397 us/cm

PURGE END TIME: 10:43
pH 5.67 su — TEMP 9.84 °C
DISSOLVED O_2 3.88 mg/L — SPECIFIC CONDUCTIVITY 6108 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.30 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:50
pH 5.38 su — TEMP 9.48 °C
DISSOLVED O_2 3.56 mg/L — SPECIFIC CONDUCTIVITY 5684 us/cm

SAMPLE END TIME: 10:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 05/08/07
WEATHER: Sunny, 65°
TIDE: NA

LNAPLs: N
DNAPLs: N
ELEV. OF CASING SURVEY MARK: N/A ft
INNER CASING DIA: 4 INCH
DEPTH TO WATER: 6.34 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: NA ft
HEIGHT OF WATER: 10.16 ft
(10.16) X 0.65 X 3 = 19.81
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: 09:35
pH 6.02 su — TEMP 10.52 °C
DISSOLVED O_2 3.52 mg/L — SPECIFIC CONDUCTIVITY 7935 us/cm

PURGE END TIME: 11:02
pH 7.28 su — TEMP 10.87 °C
DISSOLVED O_2 3.28 mg/L — SPECIFIC CONDUCTIVITY 9007 us/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.84 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:10
pH 7.34 su — TEMP 10.64 °C
DISSOLVED O_2 3.19 mg/L — SPECIFIC CONDUCTIVITY 9078 us/cm

SAMPLE END TIME: 11:10

COMMENTS:

VOLATILE ORGANICS

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

Data File	VB025404.D	Sample Name	MB 17 MAY 2007
Operator	VBP	Field ID	
Date Acquired	17 May 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-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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6/18/2007 11:19 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: MB 17 MAY 2007

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: MB 17 MAY 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025404.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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: V8025416.D
Operator: VBP
Date Acquired: 17 May 2007 7:07 pm

Sample Name: 7016401
Field ID: 2567 TRIP BLANK
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	6300	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	
75-34-3	1,1-Dichloroethane			not	detected	50	0.25	ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not	detected	9000	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	
71-55-6	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	3000	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	
124-48-1	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 6/Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = 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: **2567 TRIP BLANK**

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025416.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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	4	JN

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

Data File	VB025417.D	Sample Name	7016402
Operator	VBP	Field ID	2567 FIELD BLANK
Date Acquired	17 May 2007 7:50 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	
71-55-6	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	
124-48-1	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 07/Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
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: 2567 FIELD BLANI

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025417.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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	VB025418.D	Sample Name	7016403
Operator	VBP	Field ID	2567 DUP
Date Acquired	17 May 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	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	
71-55-6	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	6000	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	
124-48-1	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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 DUP**

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025418.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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.	000115-11-7	1-Propene, 2-methyl-	5.27	5	JN

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

Data File	VB025419.D	Sample Name	7016404
Operator	VBP	Field ID	2567 MW#01
Date Acquired	17 May 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	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	0.23	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	
124-48-1	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 calculated 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: 2567 MW#01

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025419.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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	VB025420.D	Sample Name	7016405
Operator	VDP	Field ID	2567 MW#02
Date Acquired	17 May 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	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	160	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	
75-34-3	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	
71-55-6	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	
124-48-1	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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5/18/2007 10:25 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#02

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025420.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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	VB025421.D	Sample Name	7016406
Operator	VBP	Field ID	2567 MW#03
Date Acquired	17 May 2007 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	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	13.10	57183	107.30	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.70	35463	1.42	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	
71-55-6	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	
124-48-1	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	25.44	242464	4.13	ug/L	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 PQLs 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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5/18/2007 10:25 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 MW#03**

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025421.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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: 9

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000115-11-7	1-Propene, 2-methyl-	5.27	9	JN
2.	000078-78-4	Butane, 2-methyl-	6.74	29	JN
3.	000109-66-0	Pentane	7.46	4	JN
4.	000287-92-3	Cyclopentane	10.74	28	JN
5.	000583-48-2	Hexane, 3,4-dimethyl-	11.62	7	JN
6.	000096-37-7	Cyclopentane, methyl-	14.42	41	JN
7.	000098-82-8	Benzene, (1-methylethyl)-	26.76	5	JN
8.	000103-65-1	Benzene, propyl-	27.47	6	JN
9.	000496-11-7	Indane	29.54	7	JN

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

Data File	VH025422.D	Sample Name	7016407
Operator	YHP	Field ID	2567 MW#04
Date Acquired	17 May 2007 11:31 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	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	0.34 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	
71-55-6	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	
124-48-1	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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6/18/2007 10:26 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#04

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025422.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/17/2007

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	VB025423.D	Sample Name	7016408
Operator	VBP	Field ID	2567 MW#05
Date Acquired	18 May 2007 12:18 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	
124-48-1	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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 MW#05**

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025423.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/18/2007

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	VB025424.D	Sample Name	7016409
Operator	VBP	Field ID	2567 MW#06
Date Acquired	18 May 2007 1:07 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	
124-48-1	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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5/18/2007 10:26 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **2567 MW#06**

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025424.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/18/2007

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	VB025425.D	Sample Name	7016410
Operator	VBP	Field ID	2567 MW#07
Date Acquired	18 May 2007 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	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	
71-55-6	1,1,1-Trichloroethane			not	detected	30	0.28	ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	3	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	
124-48-1	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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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: 2567 MW#07

Lab Name: FMETL NJDEP#: 13461

Project: 70164 Case No.: MW Location: 2567 SDG No.: 2nd QTR

Matrix: (soil/water) WATER Lab Sample ID: 7016410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB025425.D

Level: (low/med) LOW Date Received: 5/8/2007

% Moisture: not dec. Date Analyzed: 5/16/2007

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

LEAD

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

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

Lab ID #: 70164
Sample Received: 05/08/07
Analysis Start: 05/16/07
Analysis Completed: 05/16/07

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
7016402	2567 Field Blank	ND	5.0	0.700	5.00
7016403	2567 Dup	ND	5.0	0.700	5.00
7016404	2567 MW#01	ND	5.0	0.700	5.00
7016405	2567 MW#02	ND	5.0	0.700	5.00
7016406	2567 MW#03	ND	5.0	0.700	5.00
7016407	2567 MW#04	ND	5.0	0.700	5.00
7016408	2567 MW#05	8.47	5.0	0.700	5.00
7016409	2567 MW#06	ND	5.0	0.700	5.00
7016410	2567 MW#07	ND	5.0	0.700	5.00
Method Blank	Method Blank	ND	5.0	0.700	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	550	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
08/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
05/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.05				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	456.86	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1485.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.80				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	476.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.66	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	861.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.53	3.47				V, Pb
01/18/2007	FMETL	ND	ND	ND	114.24	1.03	3.47				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

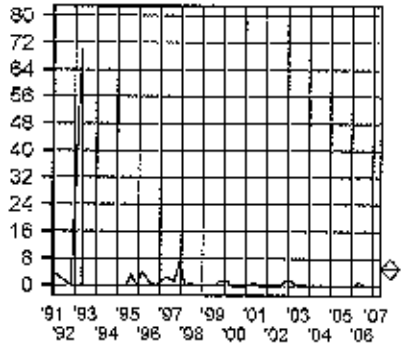
Source 1 of 7 (cont.)

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

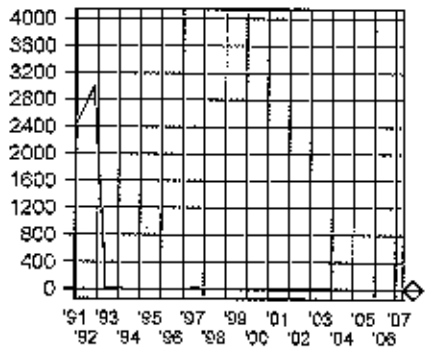
000037

06-06-2007 L:\DPW\ENVR_Lab\Lab Data\MTest Data\2567\2567.WSF

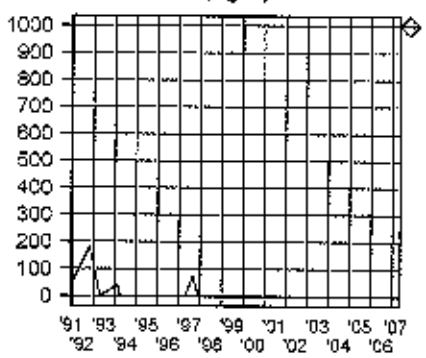
LEAD
(ug/L)



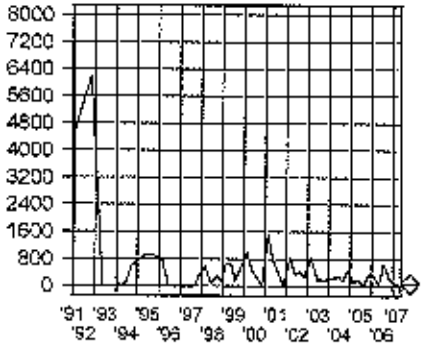
BENZENE
(ug/L)



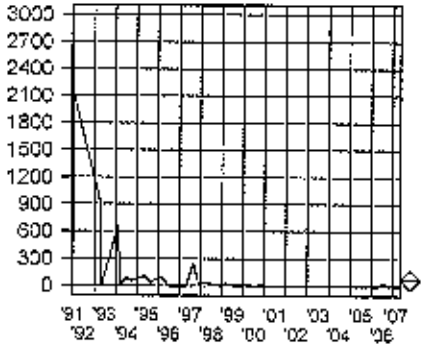
XYLENE
(ug/L)



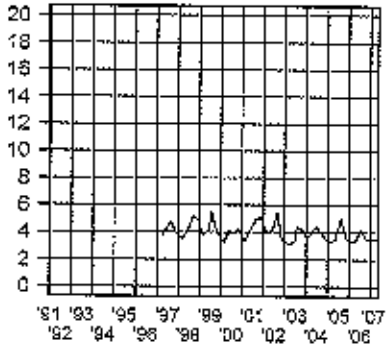
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 05/08/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

000038

05-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
06/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/25/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

000039

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.69				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/18/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

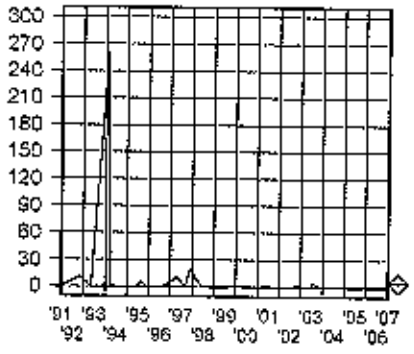
Source 2 of 7 (cont.)

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

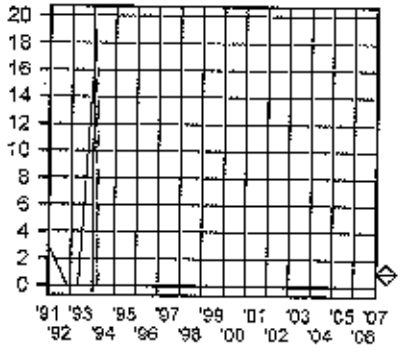
000040

03-09-2007 L:\DPW&ENVR_Lab\Lab Data\MTechData\2567\2567.WBF

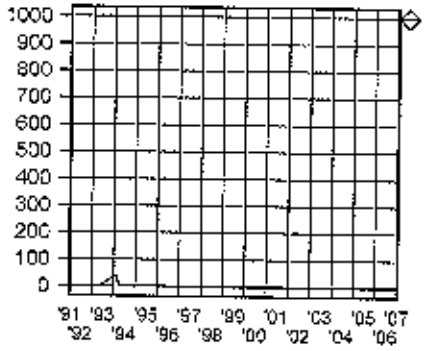
LEAD
(ug/L)



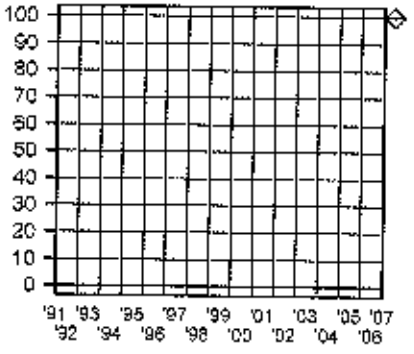
BENZENE
(ug/L)



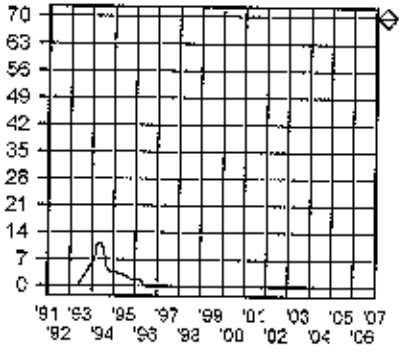
XYLENE
(ug/L)



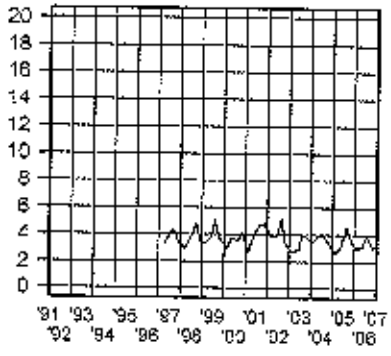
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 01/18/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000041

08-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	380	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	5.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.88	ND	27.62	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.96	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.08				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.56				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/06

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

000042

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.68	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.96				V, Pb
05/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.68				V, Pb
01/19/2007	FMETL	ND	ND	0.69	81.06	3.75	2.76				V, Pb
05/08/2007	FMETL	ND	ND	4.13	ND	ND	2.85				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

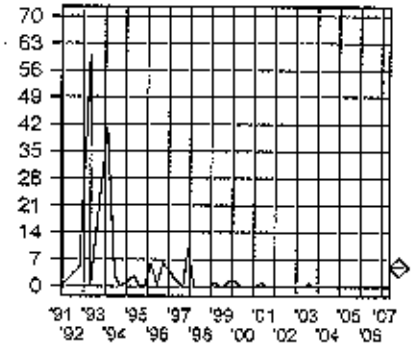
Source 3 of 7 (cont.)

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

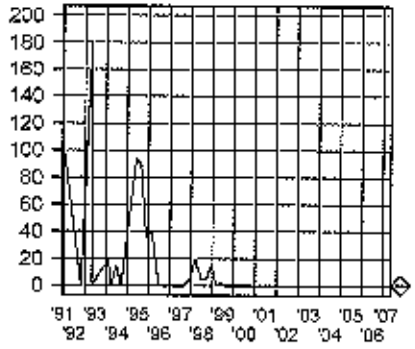
000043

06-06-2007 L:\DPW\ENVR_Lab\Loc Data\MTech Data\2567\2567.WSF

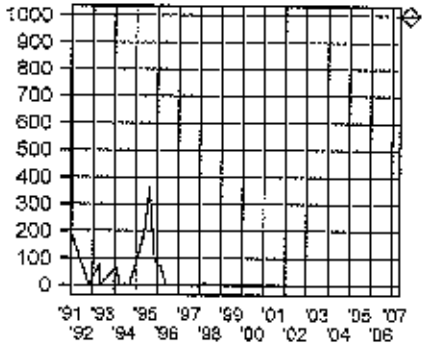
LEAD
(ug/L)



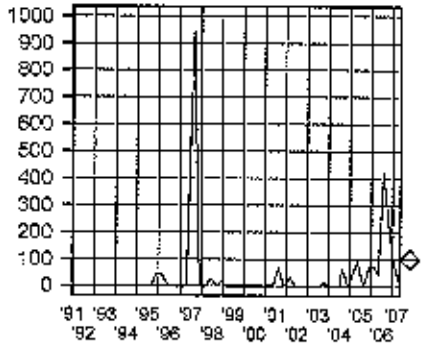
BENZENE
(ug/L)



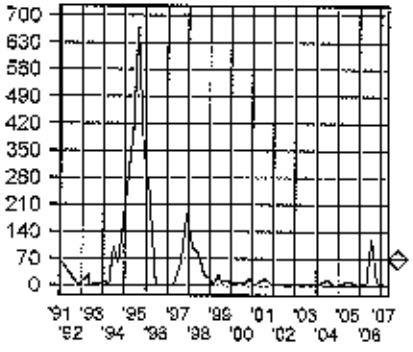
XYLENE
(ug/L)



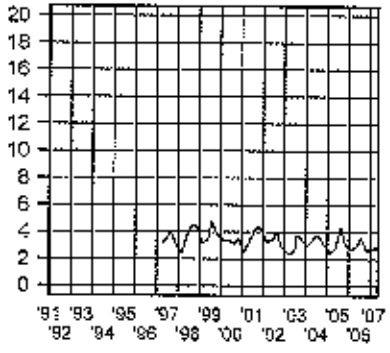
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 05/08/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

000044

08-08-2007 L:\DPW\ENVR_Lab_ab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.25	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

000045

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/28/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/18/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

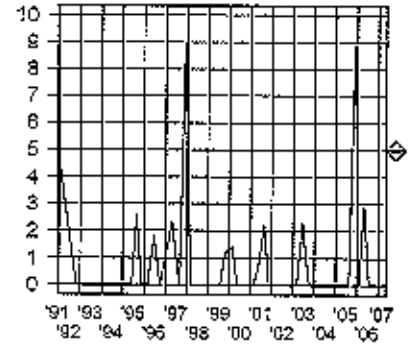
Source 4 of 7 (cont.)

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

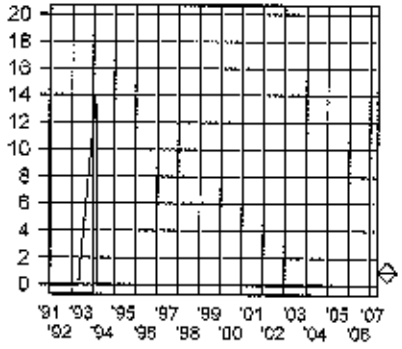
000046

06-06-2007 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

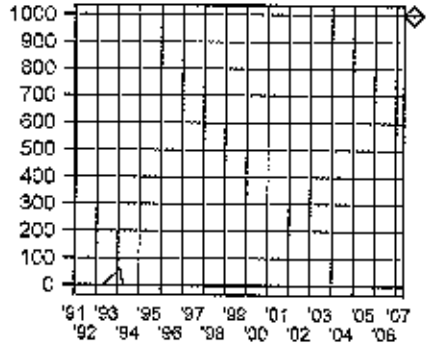
LEAD
(ug/L)



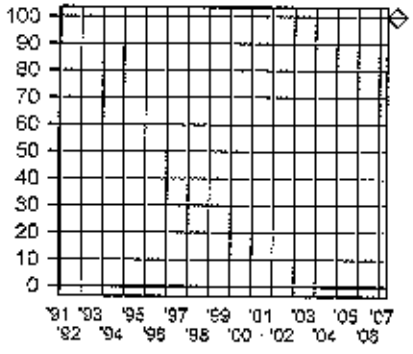
BENZENE
(ug/L)



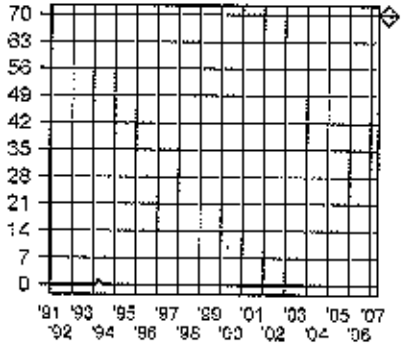
XYLENE
(ug/L)



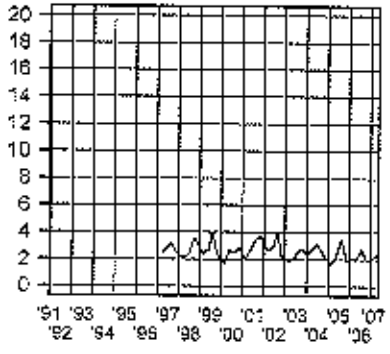
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 05/08/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

05-08-2007 L:\DFW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000047

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/15/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	ND	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.67				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	46.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

06-08-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WBF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	8.47	ND	ND	ND	ND	6.93				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

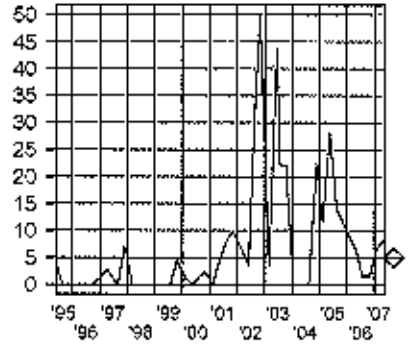
GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7 (cont.)

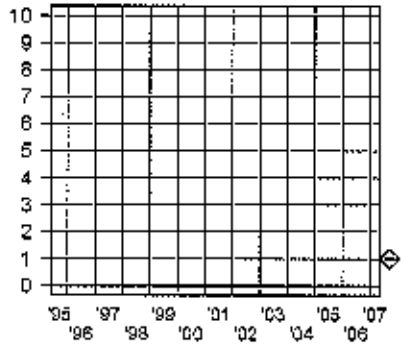
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000045

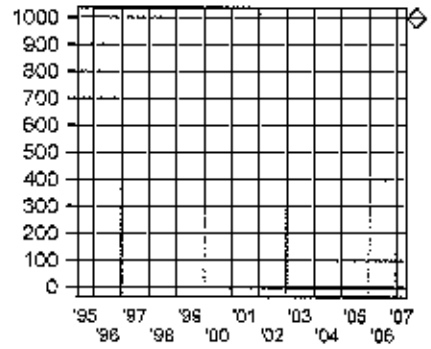
LEAD
(ug/L)



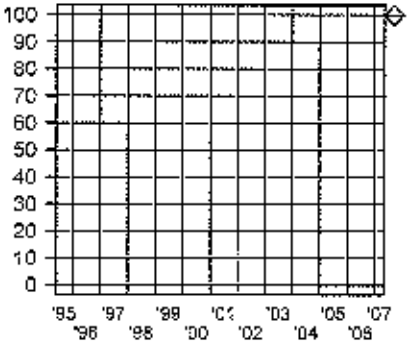
BENZENE
(ug/L)



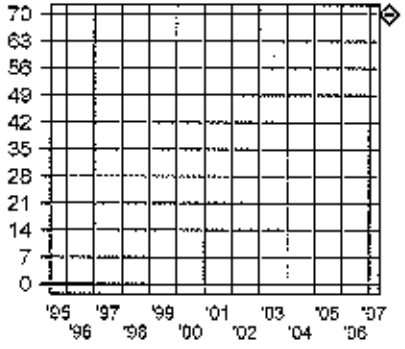
XYLENE
(ug/L)



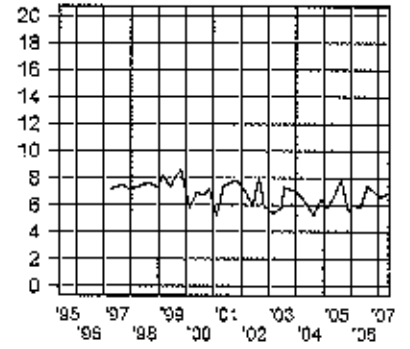
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 05/08/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

050006

06-06-2007 L:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.08				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.60				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/15/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.58				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

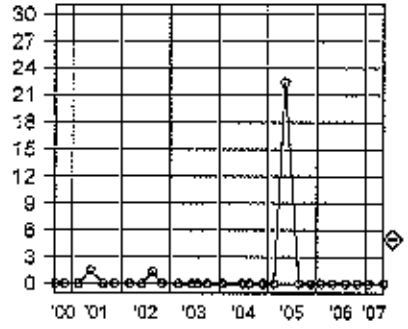
GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7

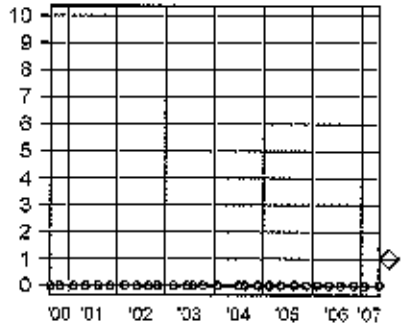
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000051

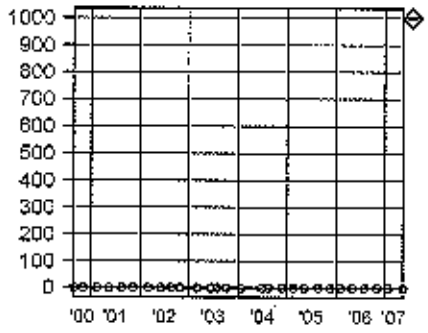
LEAD
(ug/L)



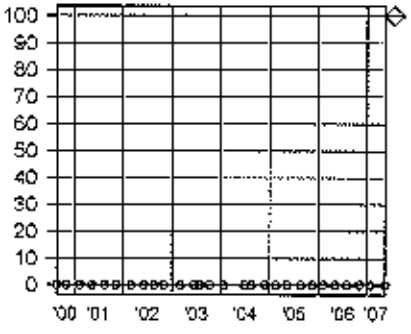
BENZENE
(ug/L)



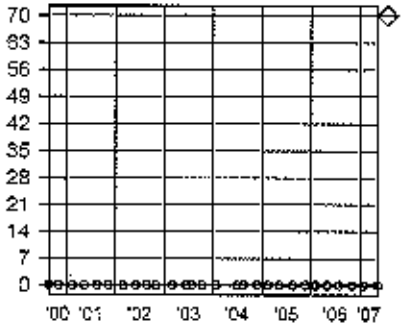
XYLENE
(ug/L)



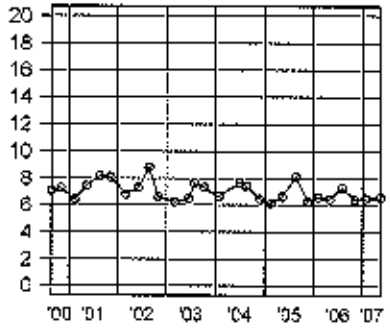
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 05/08/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

05-08-2007 L:\DPW\EV\VR_Lab\Lab Data\MTechData\2567\2567.WSF

000052

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.85				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	5.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 05/08/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

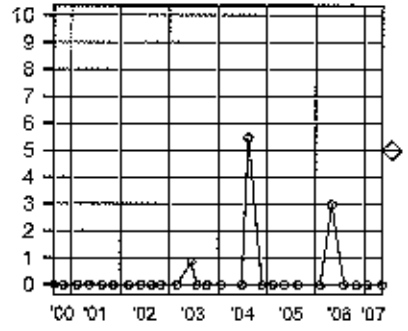
GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7

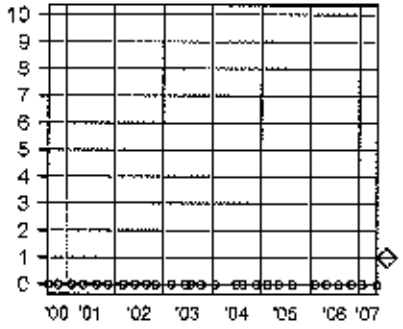
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000053

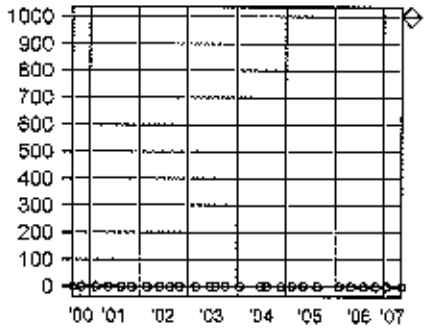
LEAD
(ug/L)



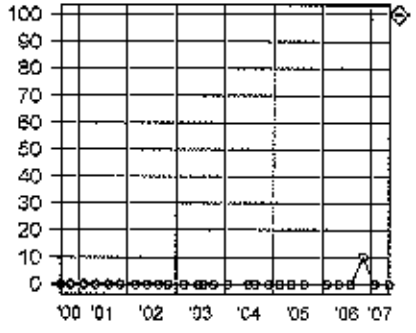
BENZENE
(ug/L)



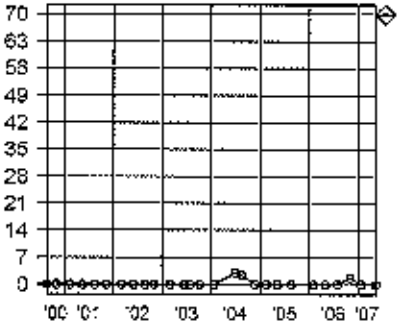
XYLENE
(ug/L)



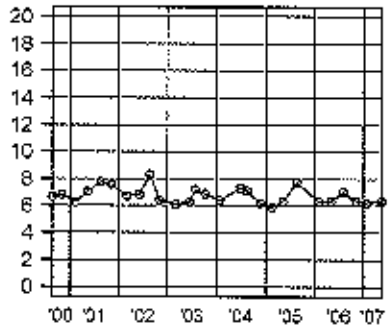
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 05/08/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

000054

05-06-2007 L:\DPW\EAVR_Lab\Lab Data\MTechData\2567\2537.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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
7028504	2567MW01	29-26925	07/30/07
7028505	2567MW02	29-26926	07/30/07
7028506	2567MW03	29-26947	07/30/07
7028507	2567MW04	29-26948	07/30/07
7028508	2567MW05	29-31783	07/30/07
7028509	2567MW06	29-42585	07/30/07
7028510	2567MW07	29-42586	07/30/07

NJDEP Laboratory Certification # 13461

8-28-07

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: 3RD QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK

Analysis Parameters

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA HS	Pb							Remarks / Preservation Method
70285 .01	2567 TRIP BLANK	7-30-07	8:00	AQ	2	X								
.02	2567 FIELD BLANK	7-30-07	11:00	AQ	3	X	X							
.03	2567 DUP	7-30-07	—	AQ	3	X	X							
.04	2567 MW#01	7-30-07	11:50	AQ	3	X	X							29-26925
.05	2567 MW#02	7-30-07	11:10	AQ	3	X	X							29-26926
.06	2567 MW#03	7-30-07	12:00	AQ	3	X	X							29-26947
.07	2567 MW#04	7-30-07	11:40	AQ	3	X	X							29-26948
.08	2567 MW#05	7-30-07	14:00	AQ	3	X	X							29-31783
.09	2567 MW#06	7-30-07	12:50	AQ	3	X	X							29-42585
.10	2567 MW#07	7-30-07	13:50	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	7/30/07 15:20	J. [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.XLS7/5/2007

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/30/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.45 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.65 ft
(9.65) X .65 X 3 = 18.81
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: 10:18
pH 6.71 su — TEMP 23.08 °C
DISSOLVED O_2 2.48 mg/L — SPECIFIC CONDUCTIVITY 6615.0 µs/cm

PURGE END TIME: 11:41
pH 6.75 su — TEMP 22.92 °C
DISSOLVED O_2 1.29 mg/L — SPECIFIC CONDUCTIVITY 9388.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.39 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:50
pH 6.82 su — TEMP 22.42 °C
DISSOLVED O_2 1.05 mg/L — SPECIFIC CONDUCTIVITY 9768.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/30/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.75 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.95 ft
(8.95) X .65 X 3 = 17.45
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: 09:43
pH 6.60 su — TEMP 23.15 °C
DISSOLVED O_2 0.24 mg/L — SPECIFIC CONDUCTIVITY 1923.0 µs/cm

PURGE END TIME: 11:01
pH 6.57 su — TEMP 23.74 °C
DISSOLVED O_2 1.29 mg/L — SPECIFIC CONDUCTIVITY 2832.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.82 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON @ BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:10
pH 6.56 su — TEMP 22.91 °C
DISSOLVED O_2 0.06 mg/L — SPECIFIC CONDUCTIVITY 2745.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/30/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.88 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.62 ft
(9.62) X .65 X 3 = 18.75
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:28
pH 7.02 su
DISSOLVED O_2 0.55 mg/L
TEMP 21.49 °C
SPECIFIC CONDUCTIVITY 2670.0 µs/cm

PURGE END TIME: 11:51
pH 6.78 su
DISSOLVED O_2 0.25 mg/L
TEMP 22.55 °C
SPECIFIC CONDUCTIVITY 9217.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.78 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:00
pH 6.76 su
DISSOLVED O_2 0.22 mg/L
TEMP 22.62 °C
SPECIFIC CONDUCTIVITY 9340.0 µs/cm

SAMPLE END TIME: 12:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/30/07
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.93 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.73 ft
(9.73) X .65 X 3 = 18.97
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:11
pH 6.05 su
DISSOLVED O_2 2.39 mg/L
TEMP 21.45 °C
SPECIFIC CONDUCTIVITY 2328.0 µs/cm

PURGE END TIME: 11:34
pH 5.75 su
DISSOLVED O_2 2.28 mg/L
TEMP 20.47 °C
SPECIFIC CONDUCTIVITY 4436.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.94 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:40
pH 5.80 su
DISSOLVED O_2 2.04 mg/L
TEMP 20.22 °C
SPECIFIC CONDUCTIVITY 4851.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/30/07
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.84 ft
DEPTH OF WELL: 14.75 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: 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: 12:32
pH 5.88 su
DISSOLVED O_2 3.52 mg/L
TEMP 18.02 °C
SPECIFIC CONDUCTIVITY 1034.0 µs/cm

PURGE END TIME: 13:50
pH 6.14 su
DISSOLVED O_2 2.16 mg/L
TEMP 16.25 °C
SPECIFIC CONDUCTIVITY 1105.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.91 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 14:00
pH 6.20 su
DISSOLVED O_2 1.82 mg/L
TEMP 16.98 °C
SPECIFIC CONDUCTIVITY 1115.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 07/30/07
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.11 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.39 ft
(10.39) X .65 X 3 = 20.26
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Ohm READING: 0.00 ppm

PURGE START TIME: 12:15
pH 6.02 su — TEMP 17.78 °C
DISSOLVED O_2 2.14 mg/L — SPECIFIC CONDUCTIVITY 1246.0 µs/cm

PURGE END TIME: 13:46
pH 6.41 su — TEMP 17.16 °C
DISSOLVED O_2 0.96 mg/L — SPECIFIC CONDUCTIVITY 3329.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.45 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 13:50
pH 6.47 su — TEMP 16.95 °C
DISSOLVED O_2 1.07 mg/L — SPECIFIC CONDUCTIVITY 3295.0 µs/cm

SAMPLE END TIME: 13:50

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	VC013584.D	Sample Name	MH 02 AUG 2007
Operator	VBP	Field ID	
Date Acquired	2 Aug 2007 8:45 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	
75-34-3	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	
71-55-6	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	
124-48-1	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	
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.

MB 02 AUG 2007

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: MB 02 AUG 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013584.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/2/2007

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	VC013604.D	Sample Name	7028501 AQ
Operator	VBP	Field ID	2567 TRIP BLANK
Date Acquired	2 Aug 2007 9:04 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	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	
124-48-1	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	
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.

2567 TRIP BLANK

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER

Lab Sample ID: 7026501 AQ

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: VC013604.D

Level: (low/med) LOW

Date Received: 7/30/2007

% Moisture: not dec.

Date Analyzed: 8/2/2007

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: VC013605.D
Operator: VBP
Date Acquired: 2 Aug 2007 9:41 pm

Sample Name: 7028502 AQ
Field ID: 2567 FIELD BLANK
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	600	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	
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.

2567 FIELD BLANK

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028502 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013605.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/2/2007

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	VC013606.D	Sample Name	7028503 AQ
Operator	VBP	Field ID	2567 DUP
Date Acquired	2 Aug 2007 10:18 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	8.56	35015	414.03	ug/L	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	6000	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	
71-55-6	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	
124-48-1	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	
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
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D = Value from dilution
PQL = Practical Quantitation Limit
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R.T. = Retention Time
R.L. = Reporting Limit

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8/3/2007 1:00 PM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 DUP

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028503 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013606.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/2/2007

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: VC013607.D
Operator: VBP
Date Acquired: 2 Aug 2007 10:54 pm

Sample Name: 7028504 AQ
Field ID: 2567 MW#01
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	8.55	33542	381.93	ug/L	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	
124-48-1	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	1000	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.

2567 MW#01

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028504 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013607.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/2/2007

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	VC013608.D	Sample Name	7028505 AQ
Operator	VDP	Field ID	2567 MW#02
Date Acquired	2 Aug 2007 11:31 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	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	
71-55-6	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	
124-48-1	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	
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.

2567 MW#02

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028505 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013608.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/2/2007

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	VC013609.D	Sample Name	7028506 AQ
Operator	VBP	Field ID	2567 MW#03
Date Acquired	3 Aug 2007 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	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	8.55	6332	71.53	ug/L	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	
124-48-1	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	n/e	0.45 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not	detected	n/e	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.

2567 MW#03

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028506 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013609.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/3/2007

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	VC013610.D	Sample Name	7028507 AQ
Operator	VDP	Field ID	2507 MW#04
Date Acquired	3 Aug 2007 12:44 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	300	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-Dichloromethane			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	
124-48-1	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	
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.

2567 MW#04

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028507 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013610.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/3/2007

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	VC013611.D	Sample Name	7028508 AQ
Operator	VBP	Field ID	2567 MW#05
Date Acquired	3 Aug 2007 1:21 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	
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.

2567 MW#05

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028508 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013611.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/3/2007

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: VC013612.D
Operator: VHP
Date Acquired: 3 Aug 2007 1:58 am

Sample Name: 7028509 AQ
Field ID: 2567 MW#06
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	2000	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	
71-55-6	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	
124-48-1	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	1000	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.

2567 MW#06

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028509 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013612.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/3/2007

GC Column: RIx502.2 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	VC013613.D	Sample Name	702#510 AQ
Operator	VBP	Field ID	2567 MW#07
Date Acquired	3 Aug 2007 2:35 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	0.34	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	
71-55-6	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	
124-48-1	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	
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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000032

8/3/2007 1:02 PM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 MW#07

Lab Name: FMETL NJDEP # 13461

Project: 70285 Case No.: MW Location: 2567 SDG No.: 3RD QTR

Matrix: (soil/water) WATER Lab Sample ID: 7028510 AQ

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013613.D

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Analyzed: 8/3/2007

GC Column: RIx502.2 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

LEAD

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

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

Lab ID #: 70285
Sample Received: 07/30/07
Analysis Start: 08/23/07
Analysis Completed: 08/23/07

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
7028502	2567 Field Blank	ND	5.0	0.700	5.00
7028503	2567 Dup	ND	5.0	0.700	5.00
7028504	2567 MW#01	ND	5.0	0.700	5.00
7028505	2567 MW#02	ND	5.0	0.700	5.00
7028506	2567 MW#03	0.780	5.0	0.700	5.00
7028507	2567 MW#04	2.04	5.0	0.700	5.00
7028508	2567 MW#05	11.0	5.0	0.700	5.00
7028509	2567 MW#06	ND	5.0	0.700	5.00
7028510	2567 MW#07	1.85	5.0	0.700	5.00
Method Blank	Method Blank	ND	5.0	0.700	5.00

ND = Not Detected, NA – Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2900	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	875	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1488.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000037

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\vTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
05/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	142.19	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.53	3.47				V, Pb
01/18/2007	FMETL	ND	ND	ND	114.24	1.03	3.47				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	381.93	ND	3.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

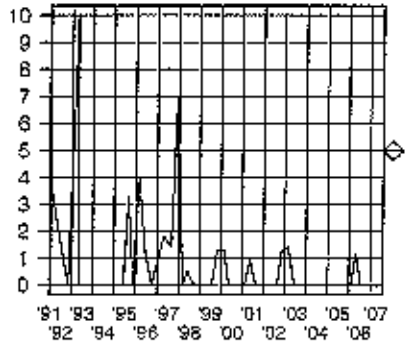
Source 1 of 7 (cont.)

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

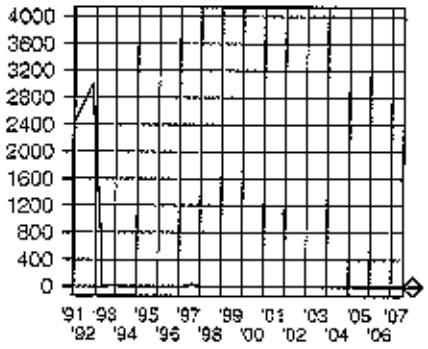
000038

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

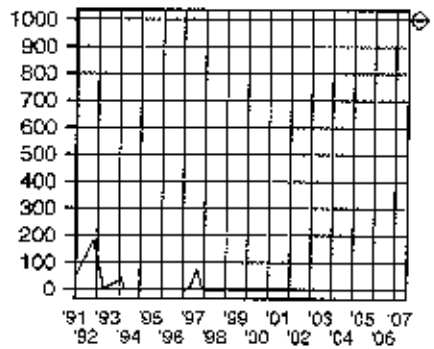
LEAD
(ug/L)



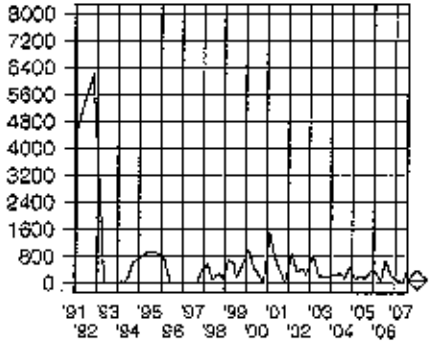
BENZENE
(ug/L)



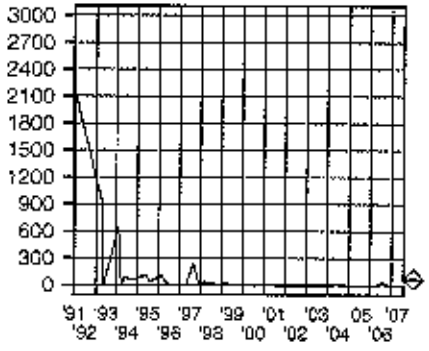
XYLENE
(ug/L)



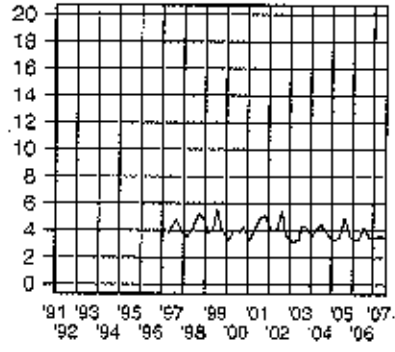
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 07/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

000039

08-29-2007 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
06/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.66				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

000040

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/16/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.35				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	3.75				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

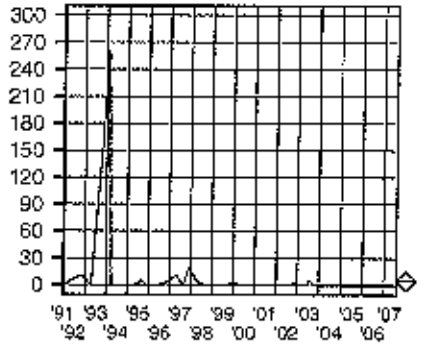
GW MONITORING
Bldg. 2567
Table / Graph A
Source 2 of 7 (cont.)

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

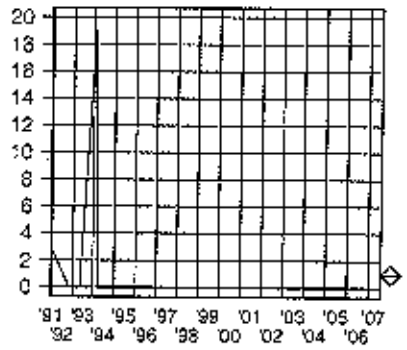
000041

08-28-2007 L:\DPW\ENVR_Lab\Leo Data\MTechData\2567\2567 WSF

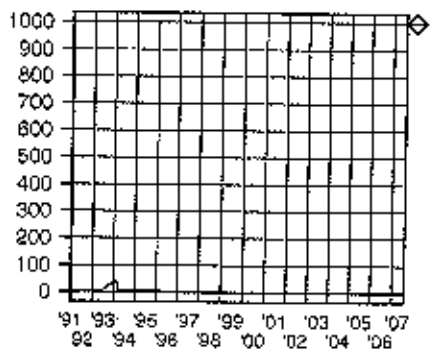
LEAD
(ug/L)



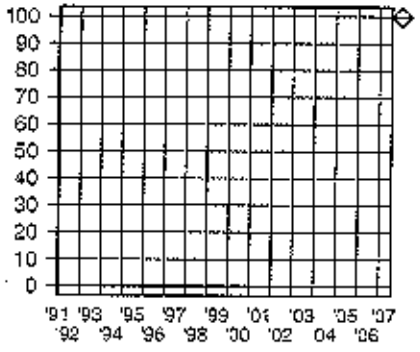
BENZENE
(ug/L)



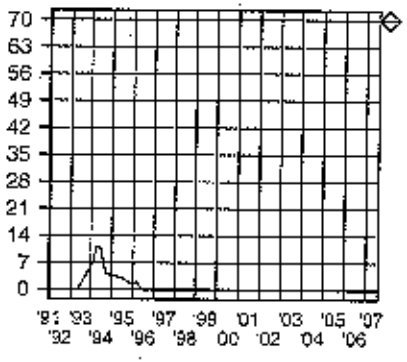
XYLENE
(ug/L)



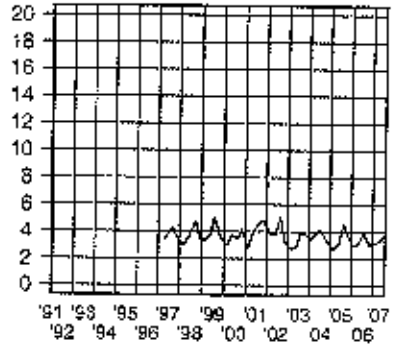
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 07/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000042

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	6.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

0000043

08-29-2007 \\DPW\ENVR_Lab\Lab Data\MTech\Data\2567\2567.WSP

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.62	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.36	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.96				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.68				V, Pb
01/18/2007	FMETL	ND	ND	0.69	81.05	3.75	2.76				V, Pb
05/08/2007	FMETL	ND	ND	4.13	ND	ND	2.85				V, Pb
07/30/2007	FMETL	0.760	ND	ND	71.53	ND	2.88				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

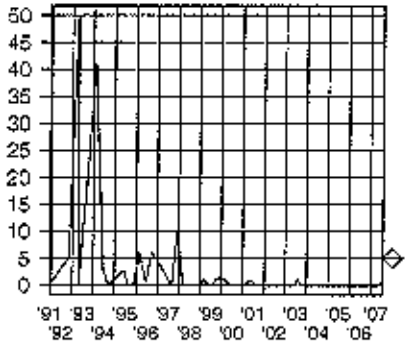
GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

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

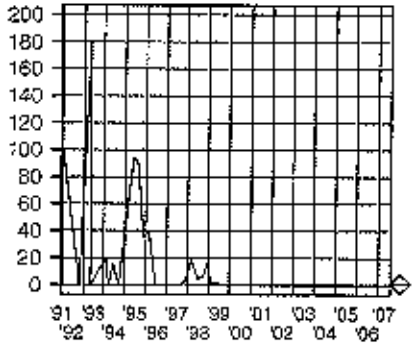
000044

08-28-2007 ...\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSP

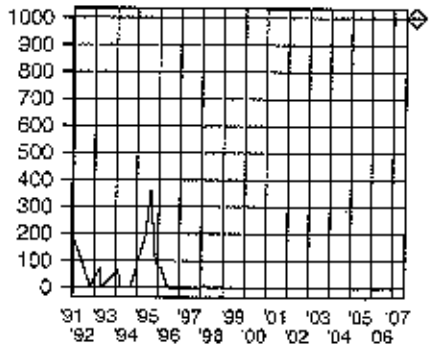
LEAD
(ug/L)



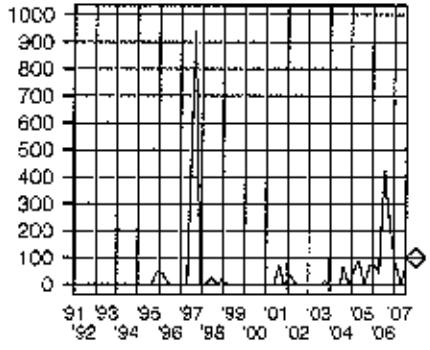
BENZENE
(ug/L)



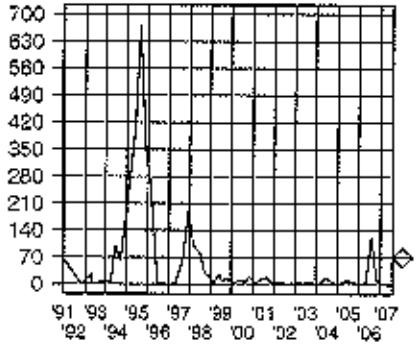
XYLENE
(ug/L)



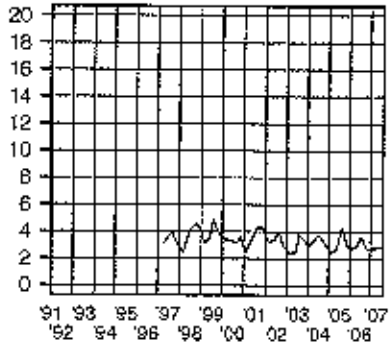
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 07/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

000045

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/23/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

950044

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
07/30/2007	FMETL	2.04	ND	ND	ND	ND	1.93				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/06

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

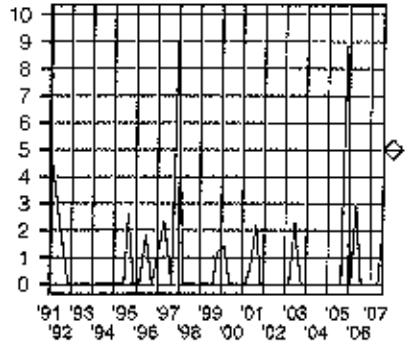
Source 4 of 7 (cont.)

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

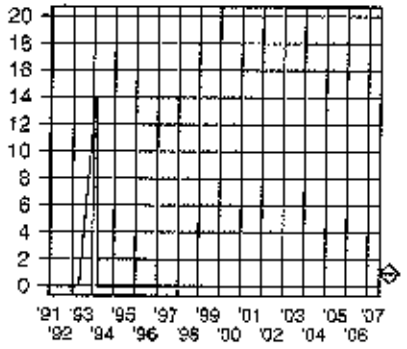
000047

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

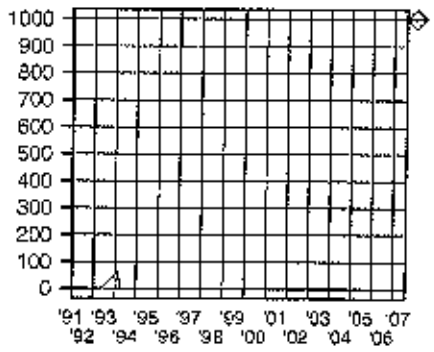
LEAD
(ug/L)



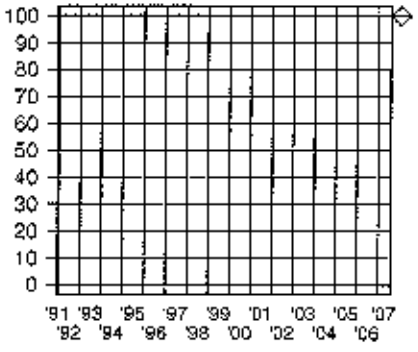
BENZENE
(ug/L)



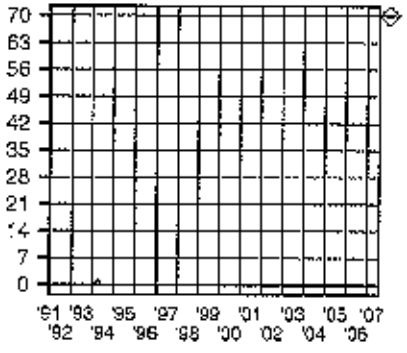
XYLENE
(ug/L)



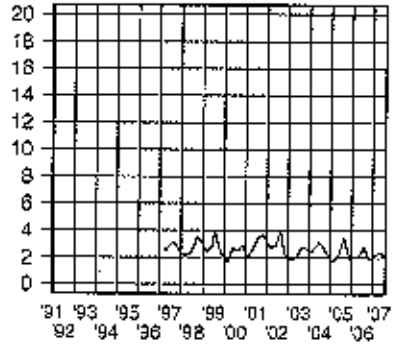
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 07/30/2007

LEGEND:

PARAMETER

D = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

000048

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
06/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	1.0	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.67				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

650004

08-28-2007 L:\DPW\ENVR_Lec\Lab Data\MTech\Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/25/2006	FMETL	1.56	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	8.47	ND	ND	ND	ND	6.93				V, Pb
07/30/2007	FMETL	11.0	ND	ND	ND	ND	5.64				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

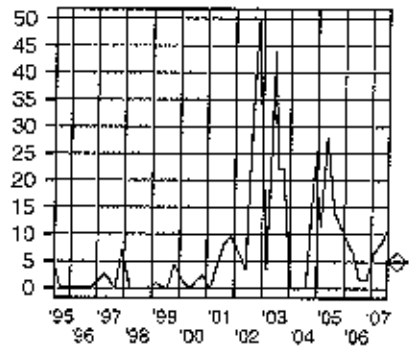
Source 5 of 7 (cont.)

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

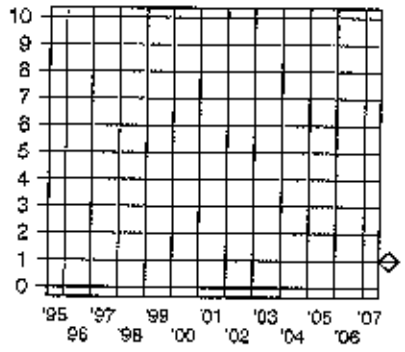
000050

08-28-2007 _\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

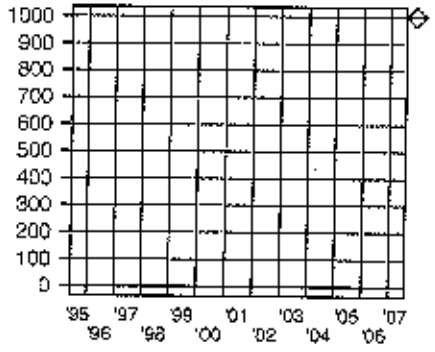
LEAD
(ug/L)



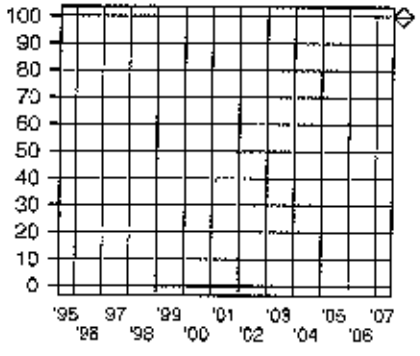
BENZENE
(ug/L)



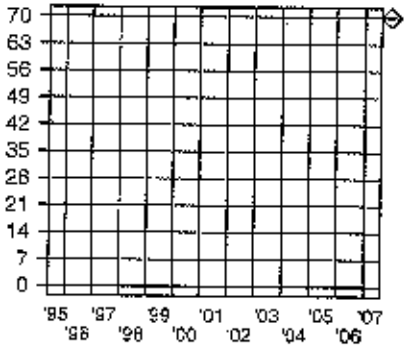
XYLENE
(ug/L)



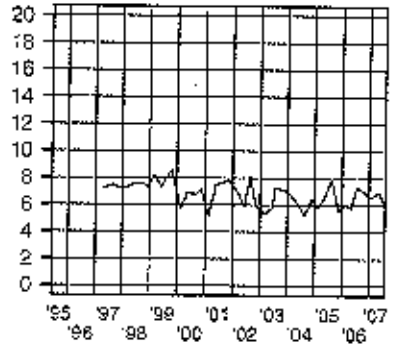
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 07/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

000054

05-25-2007 L:\DPW\ENVR_Lab\Lab Data\WTechDesk\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	6.35				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

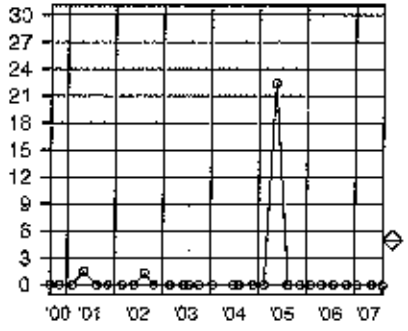
Source 6 of 7

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

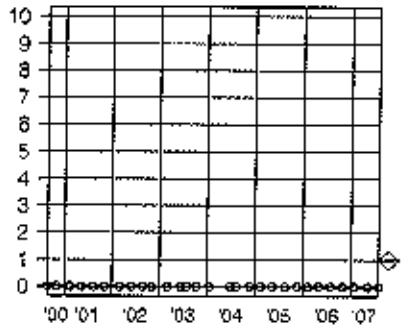
000052

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\MTech\Data\2567\2567.WSF

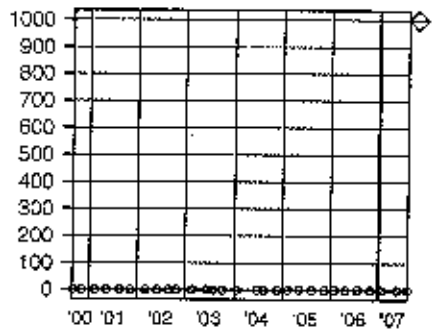
LEAD
(ug/L)



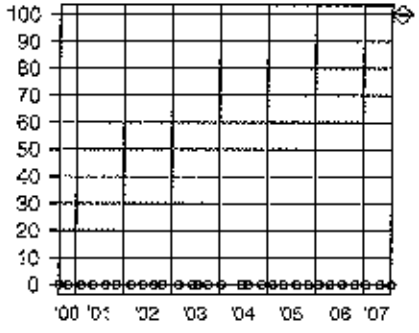
BENZENE
(ug/L)



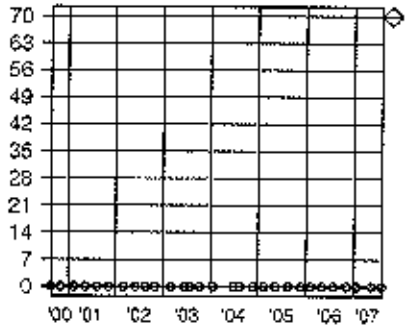
XYLENE
(ug/L)



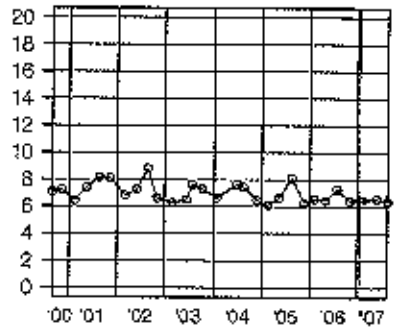
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 07/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

000053

05-25-2007 L:\DPW\ENVR_Lab\Lab Data\MTec Data\2567\2567.WS1

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.86				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
05/06/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb
07/30/2007	FMETL	1.85	ND	ND	ND	ND	6.11				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 07/30/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

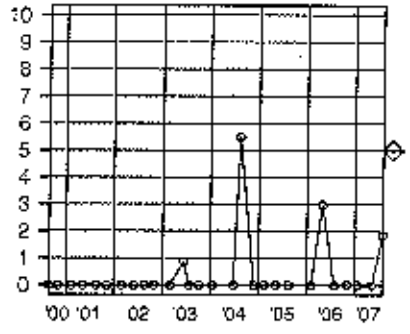
Source 7 of 7

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

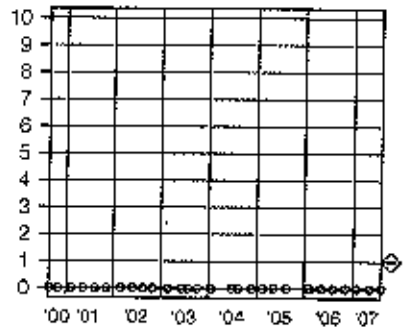
000054

08-28-2007 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

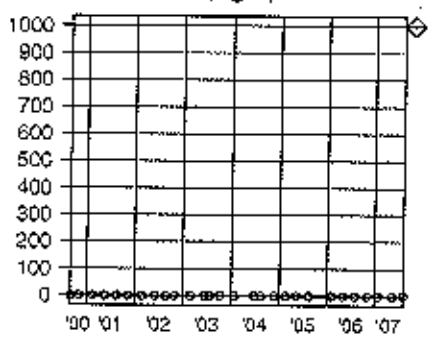
LEAD
(ug/L)



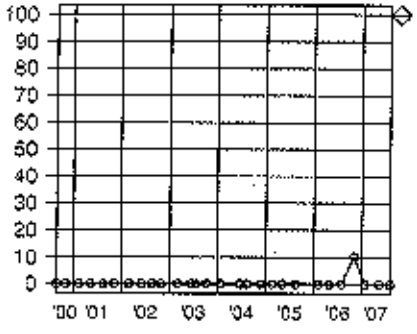
BENZENE
(ug/L)



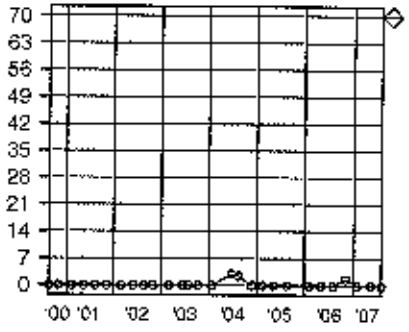
XYLENE
(ug/L)



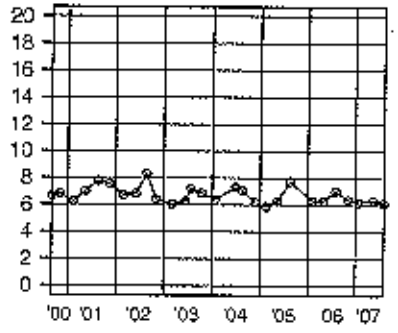
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 07/30/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

000055

08-23-2007 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSP

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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
7050404	2567MW01	29-26925	12/04/07
7050405	2567MW02	29-26926	12/04/07
7050406	2567MW03	29-26947	12/04/07
7050407	2567MW04	29-26948	12/04/07
7050408	2567MW05	29-31783	12/04/07
7050409	2567MW06	29-42585	12/04/07
7050410	2567MW07	29-42586	12/04/07

NJDEP Laboratory Certification # 13461

1-2-08

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: 4TH QUARTER MONITOR WELL SAMPLING
Samplers Name / Company: WALTER FUNK TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA 8015	RP							Comments: Remarks / Preservation Method
70504 .01	2567 TRIP BLANK	12-4-07	8:30	AQ	2	X								
.02	2567 FIELD BLANK	12-4-07	10:20	AQ	3	X	X							
.03	2567 DUP.	12-4-07	——	AQ	3	X	X							
.04	2567*MW#01	12-4-07	12:00	AQ	3	X	X							29-26925
.05	2567 MW#02	12-4-07	10:40	AQ	3	X	X							29-26926
.06	2567 MW#03	12-4-07	12:20	AQ	3	X	X							29-26947
.07	2567 MW#04	12-4-07	11:00	AQ	3	X	X							29-26948
.08	2567 MW#05	12-4-07	11:10	AQ	3	X	X							29-31783
.09	2567 MW#06	12-4-07	10:30	AQ	3	X	X							29-42585
.10	2567 MW#07	12-4-07	10:50	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	12/4/07 13:30				
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:

200002

print legibly

COC TMPL S10/30/2007

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.46 ft
DEPTH OF WELL: 13.10 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: 0.00 ppm

PURGE START TIME: 10:33
pH 6.26 su — TEMP 14.79 °C
DISSOLVED O_2 1.03 mg/L — SPECIFIC CONDUCTIVITY 3043.0 µs/cm

PURGE END TIME: 11:56
pH 6.52 su — TEMP 15.09 °C
DISSOLVED O_2 0.37 mg/L — SPECIFIC CONDUCTIVITY 3443.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.93 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:00
pH 6.65 su — TEMP 15.20 °C
DISSOLVED O_2 0.16 mg/L — SPECIFIC CONDUCTIVITY 3974.0 µs/cm

SAMPLE END TIME: 12:00

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.17 ft
DEPTH OF WELL: 12.20 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: 0.00 ppm

PURGE START TIME: 09:16
pH 6.40 su
TEMP 15.94 °C
DISSOLVED O_2 0.78 mg/L
SPECIFIC CONDUCTIVITY 1849.0 µs/cm

PURGE END TIME: 10:34
pH 6.47 su
TEMP 16.09 °C
DISSOLVED O_2 1.43 mg/L
SPECIFIC CONDUCTIVITY 2205.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.03 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:40
pH 6.43 su
TEMP 16.21 °C
DISSOLVED O_2 0.26 mg/L
SPECIFIC CONDUCTIVITY 2161.0 µs/cm

SAMPLE END TIME: 10:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.77 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.73 ft
(9.73) X .65 X 3 = 18.97
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:54
pH 6.94 su — TEMP 14.14 °C
DISSOLVED O_2 2.34 mg/L — SPECIFIC CONDUCTIVITY 1545.0 µs/cm

PURGE END TIME: 12:17
pH 7.03 su — TEMP 13.81 °C
DISSOLVED O_2 1.63 mg/L — SPECIFIC CONDUCTIVITY 3732.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.62 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 12:20
pH 6.88 su — TEMP 14.12 °C
DISSOLVED O_2 1.54 mg/L — SPECIFIC CONDUCTIVITY 3784.0 µs/cm

SAMPLE END TIME: 12:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.87 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.79 ft
(9.79) X .65 X 3 = 19.09
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 09:23
pH 6.65 su — TEMP 13.14 °C
DISSOLVED O_2 2.22 mg/L — SPECIFIC CONDUCTIVITY 1285.0 µs/cm

PURGE END TIME: 10:46
pH 5.97 su — TEMP 13.02 °C
DISSOLVED O_2 1.26 mg/L — SPECIFIC CONDUCTIVITY 2443.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 2.66 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:00
pH 5.75 su — TEMP 13.11 °C
DISSOLVED O_2 0.80 mg/L — SPECIFIC CONDUCTIVITY 2500.0 µs/cm

SAMPLE END TIME: 11:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.33 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.38 ft
(8.38) X .65 X 3 = 16.34
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: 09:33
pH 6.48 su — TEMP 12.17 °C
DISSOLVED O_2 2.51 mg/L — SPECIFIC CONDUCTIVITY 847.0 µs/cm

PURGE END TIME: 10:47
pH 6.27 su — TEMP 11.52 °C
DISSOLVED O_2 2.97 mg/L — SPECIFIC CONDUCTIVITY 757.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.14 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:10
pH 6.23 su — TEMP 11.46 °C
DISSOLVED O_2 3.06 mg/L — SPECIFIC CONDUCTIVITY 727.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.27 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.47 ft
(9.47) X .65 X 3 = 18.46
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: 09:00
pH 5.29 su — TEMP 12.34 °C
DISSOLVED O_2 1.90 mg/L — SPECIFIC CONDUCTIVITY 1406.0 µs/cm

PURGE END TIME: 10:23
pH 5.82 su — TEMP 11.77 °C
DISSOLVED O_2 1.74 mg/L — SPECIFIC CONDUCTIVITY 1433.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.06 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 10:30
pH 5.08 su — TEMP 11.81 °C
DISSOLVED O_2 0.68 mg/L — SPECIFIC CONDUCTIVITY 1485.0 µs/cm

SAMPLE END TIME: 10:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 12/04/07
WEATHER: Sunny and cold
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.08 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.42 ft
(10.42) X .65 X 3 = 20.71
GALLONS OF H2O TO BE PURGED: 21 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: 09:07
pH 6.02 su — TEMP 12.42 °C
DISSOLVED O_2 1.57 mg/L — SPECIFIC CONDUCTIVITY 1372.0 µs/cm

PURGE END TIME: 10:37
pH 6.64 su — TEMP 12.74 °C
DISSOLVED O_2 1.54 mg/L — SPECIFIC CONDUCTIVITY 1618.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.26 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:50
pH 6.41 su — TEMP 12.88 °C
DISSOLVED O_2 1.22 mg/L — SPECIFIC CONDUCTIVITY 1616.0 µs/cm

SAMPLE END TIME: 10:50

COMMENTS:

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
N.JDEP 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	VC0013934.D	Sample Name	MB-1 10 DEC 2007
Operator	VBP	Field ID	
Date Acquired	10 Dec 2007 5:36 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	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	
124-48-1	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	0.36 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	500	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 = Component found in related blank
E = Value above linear range
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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12/11/2007 10:38 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.
MB-1 10 DEC 2007

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: MB-1 10 DEC 2007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013934.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/10/2007

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	VC013951.D	Sample Name	7050401 AQ (V2)
Operator	VBP	Field ID	2567 TRIP BLANK
Date Acquired	11 Dec 2007 4:23 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	1600	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	
124-48-1	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

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12/11/2007 10:39 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 TRIP BLANK

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050401 AQ (V2)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013951.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013952.D	Sample Name	7050402 AQ (VI)
Operator	VBP	Field ID	2567 FIELD BLANK
Date Acquired	11 Dec 2007 5:01 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	70000	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	
71-55-6	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	
124-48-1	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

D = Compound found in related blank
E = Value above linear range
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.

567 FIELD BLANK

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050402 AQ (V1)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013952.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013953.D	Sample Name	7050403 AQ (V1)
Operator	VBP	Field ID	2567 DUP
Date Acquired	11 Dec 2007 5:38 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	8.40	130334	56.34	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.30	11164	0.24	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 DUP

Lab Name: FMETL NJDEP #: 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050403 AQ (V1)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013953.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013954.D	Sample Name	70050404 AQ (VI)
Operator	VRP	Field ID	2567 MW#01
Date Acquired	11 Dec 2007 6:16 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	8.40	149063	76.26	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.29	18445	0.46	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	
75-34-3	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 MW#01

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050404 AQ (V1)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013954.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013955.D	Sample Name	70504005 AQ (V1)
Operator	VBP	Field ID	2567 MW#02
Date Acquired	11 Dec 2007 6:54 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	0.64	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	
71-55-6	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 MW#02

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050405 AQ (V1)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013955.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000496-11-7	Indane	20.90	6	JN
2. 000767-58-8	Indan, 1-methyl-	23.40	3	JN

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

Data File	VC013956.D	Sample Name	705804J6 AQ (V2)
Operator	VBP	Field ID	2567 MW#03
Date Acquired	11 Dec 2007 7:32 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	2	0.80	ug/L	10.00 ug/L	
75650	tert-Butyl alcohol	8.39	53910	24.36	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.30	28086	0.62	ug/L	70	0.23	ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not	detected	28000	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	10.92	10088	0.44	ug/L	1	0.17	ug/L	2.00 ug/L	J
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	
124-48-1	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	meta-Xylenes	16.35	15216	0.46	ug/L	nle	0.36	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

FIELD ID.

2567 MW#03

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050406 AQ (V2)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013956.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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: 8

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 001070-87-7	Pentane, 2,2,4,4-tetramethyl-	5.76	5	JN
2. 000107-83-5	Pentane, 2-methyl-	7.53	5	JN
3. 000096-14-0	Pentane, 3-methyl-	7.89	9	JN
4. 000096-37-7	Cyclopentane, methyl-	9.11	10	JN
5. 000565-59-3	Pentane, 2,3-dimethyl-	10.10	4	JN
6. 000098-82-8	Benzene, (1-methylethyl)-	17.68	5	JN
7. 000103-65-1	Benzene, propyl-	18.51	6	JN
8. 000496-11-7	Indane	20.90	9	JN

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

Data File	VCB13957.D	Sample Name	7050407 AQ (V2)
Operator	VBP	Field ID	2567 MW#04
Date Acquired	11 Dec 2007 8:09 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	4000	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	
124-48-1	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.

2567 MW#04

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050407 AQ (V2)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013957.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013958.D	Sample Name	7050408 AQ (V2)
Operator	VBP	Field ID	2567 MW#05
Date Acquired	11 Dec 2007 8:47 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	0.30	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	8.02	10611	1.41	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			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	
71-55-6	1,1,1-Trichloroethane			not	detected	30	0.28	ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	3	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	
124-48-1	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 09Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
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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12/11/2007 10:41 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 MW#05

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050408 AQ (V2)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013958.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013939.D	Sample Name	7050409 AQ (V2)
Operator	YBP	Field ID	2567 MW#06
Date Acquired	11 Dec 2007 9:25 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	160	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	20100	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	
124-48-1	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	600	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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12/11/2007 10:42 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

2567 MW#06

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050409 AQ (V2)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013959.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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	VC013960.D	Sample Name	705041 0 AQ (V2)
Operator	VBP	Field ID	2567 MW#07
Date Acquired	11 Dec 2007 10:03 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	
71-55-6	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	
124-48-1	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 07/Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = 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.

2567 MW#07

Lab Name: FMETL NJDEP # 13461

Project: 70504 Case No.: MW Location: BLDG SDG No.: 4TH QTR

Matrix: (soil/water) WATER Lab Sample ID: 7050410 AQ (V2)

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC013960.D

Level: (low/med) LOW Date Received: 12/4/2007

% Moisture: not dec. Date Analyzed: 12/11/2007

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

LEAD

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

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

Lab ID #: 70504
Sample Received: 12/04/07
Analysis Start: 12/12/07
Analysis Completed: 12/14/07

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
7050402	2567 Field Blank	ND	5.0	0.700	5.00
7050403	2567 Dup	ND	5.0	0.700	5.00
7050404	2567 MW#01	ND	5.0	0.700	5.00
7050405	2567 MW#02	ND	5.0	0.700	5.00
7050406	2567 MW#03	ND	5.0	0.700	5.00
7050407	2567 MW#04	ND	5.0	0.700	5.00
7050408	2567 MW#05	5.32	5.0	0.700	5.00
7050409	2567 MW#06	ND	5.0	0.700	5.00
7050410	2567 MW#07	ND	5.0	0.700	5.00
Method Blank	Method Blank	ND	5.0	0.700	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/26/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	660	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.80				V,Pb
08/26/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.46				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.68	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1488.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.36	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000037

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	166.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	142.19	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.53	3.47				V, Pb
01/18/2007	FMETL	ND	ND	ND	114.24	1.03	3.47				V, Pb
05/06/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	361.93	ND	3.45				V, Pb
12/04/2007	FMETL	ND	ND	ND	76.26	0.46	3.46				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

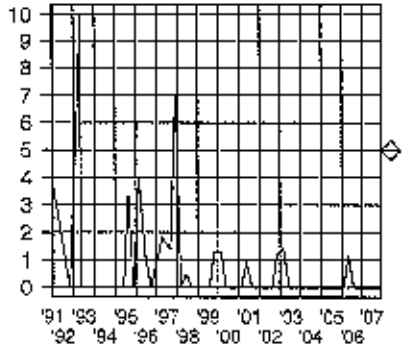
Source 1 of 7 (cont.)

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

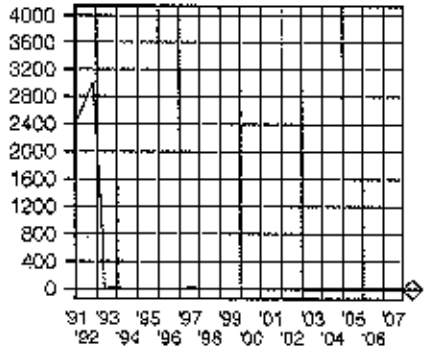
000038

01-02-2008 I:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

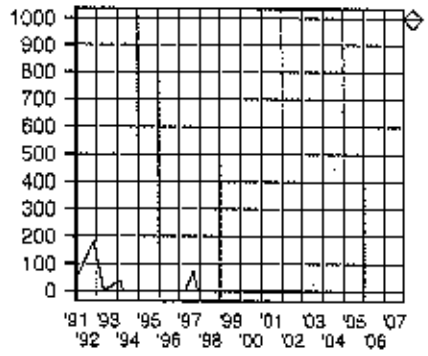
LEAD
(ug/L)



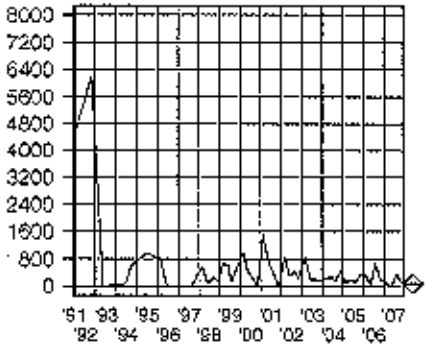
BENZENE
(ug/L)



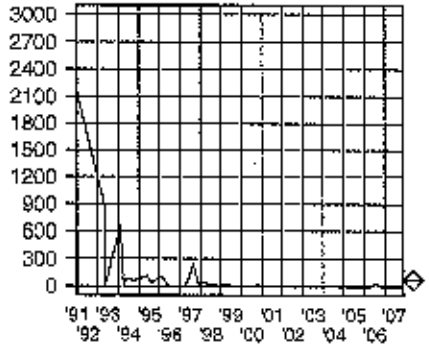
XYLENE
(ug/L)



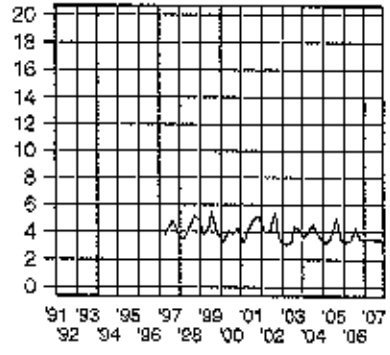
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 12/04/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

000039

01-02-2008 L:\D_PW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
06/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

000040

01-02-2008 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.35				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	3.75				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	3.17				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7 (cont.)

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

000041

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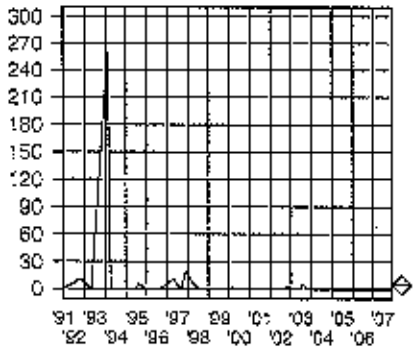
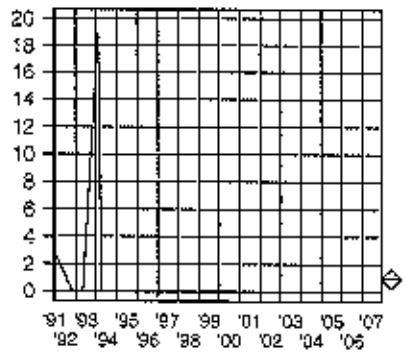
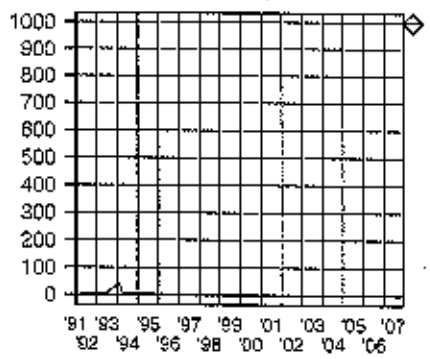
LEAD
(ug/L)



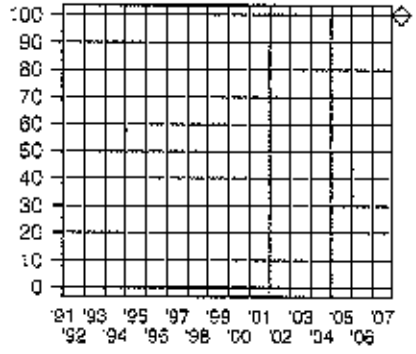
BENZENE
(ug/L)



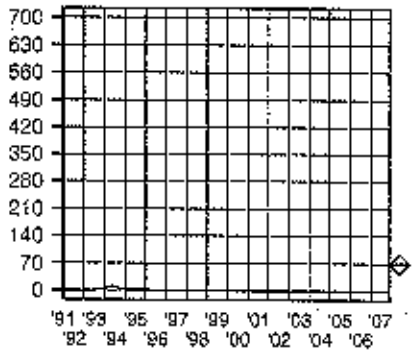
XYLENE
(ug/L)



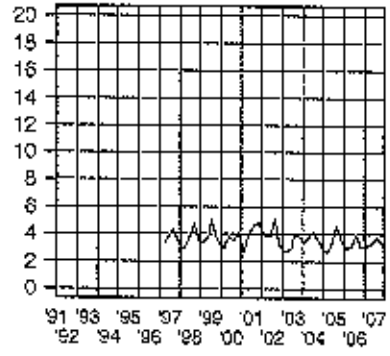
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 12/04/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000042

01-02-2008 C:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	166	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.96	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	6.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

01-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000043

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/25/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

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SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

000044

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.60				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/16/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
07/30/2007	FMETL	2.04	ND	ND	ND	ND	1.93				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	1.87				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

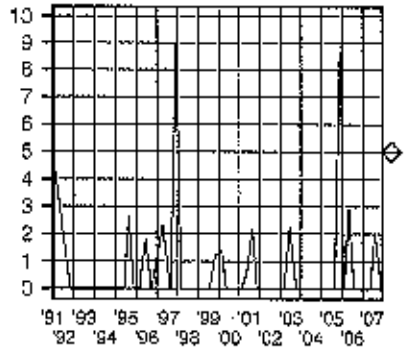
Source 4 of 7 (cont.)

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

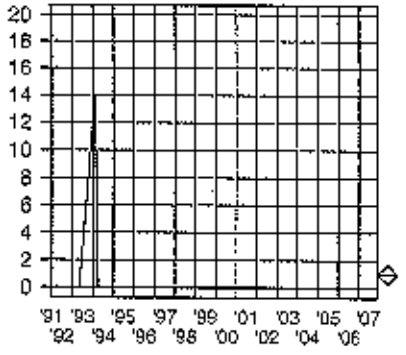
000045

01-02-2008 L:\CPW\ENVP_Lab\Lab Data\WTestData\2567\2567.WSF

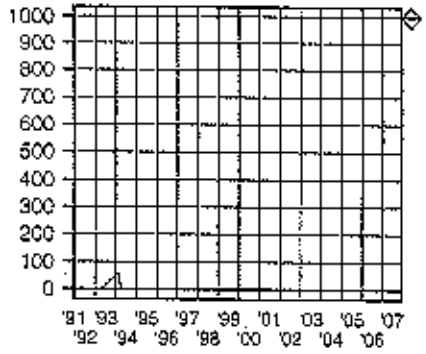
LEAD
(ug/L)



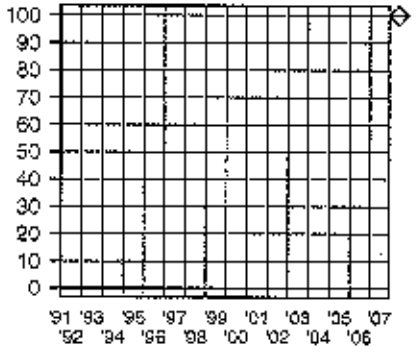
BENZENE
(ug/L)



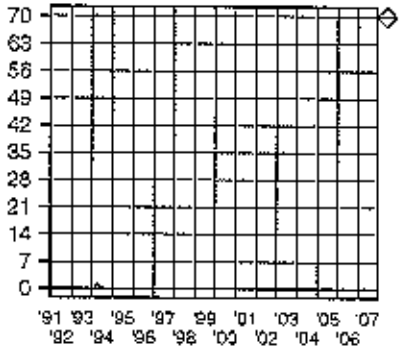
XYLENE
(ug/L)



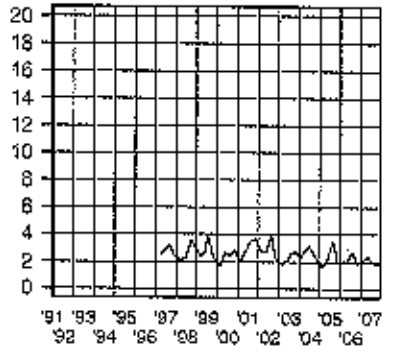
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 12/04/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

01-22-2008 J:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000046

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/26/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.56				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	1.0	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	6.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.8	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	6.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
09/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.66				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
06/25/1995 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

000047

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	8.47	ND	ND	ND	ND	6.93				V, Pb
07/30/2007	FMETL	11.0	ND	ND	ND	ND	5.84				V, Pb
12/04/2007	FMETL	5.32	ND	ND	ND	ND	6.33				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7 (cont.)

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

000048

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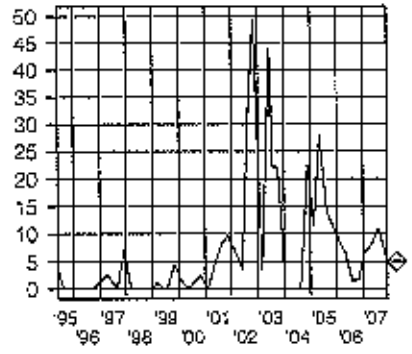
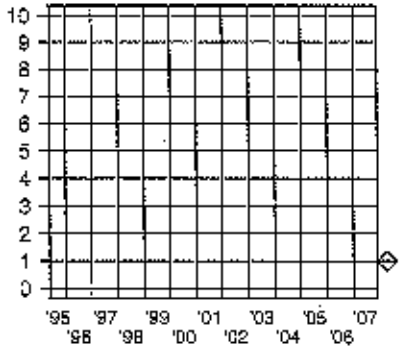
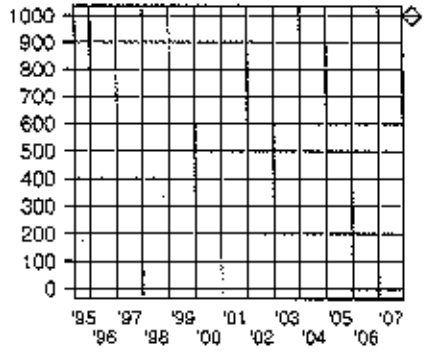
LEAD
(ug/L)



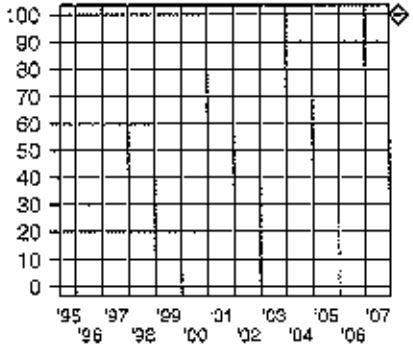
BENZENE
(ug/L)



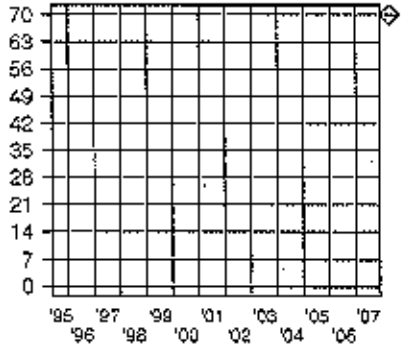
XYLENE
(ug/L)



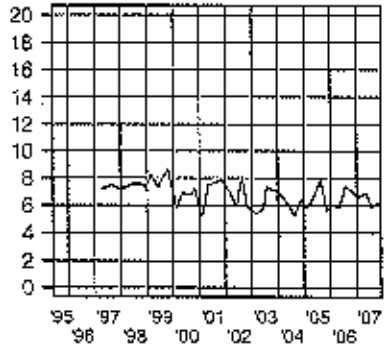
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 12/04/2007

LEGEND:

PARAMETER

◇ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

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01-02-2008 L:\DFW\ENVR_lab\Lab Data\WTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
05/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	6.35				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.27				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

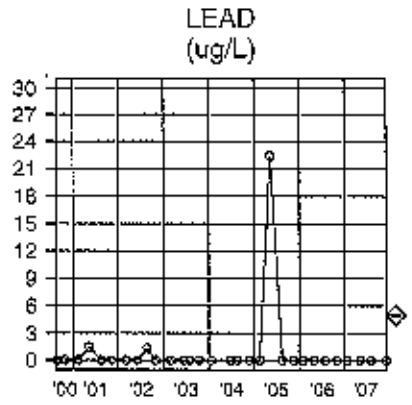
GW MONITORING
Bldg. 2567
Table / Graph A

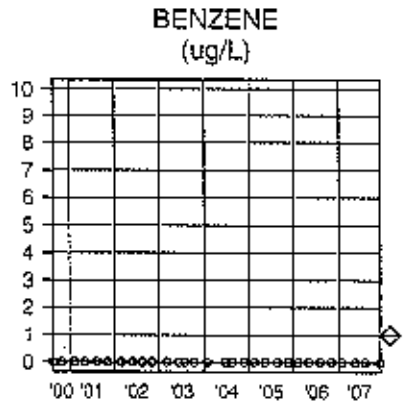
Source 6 of 7

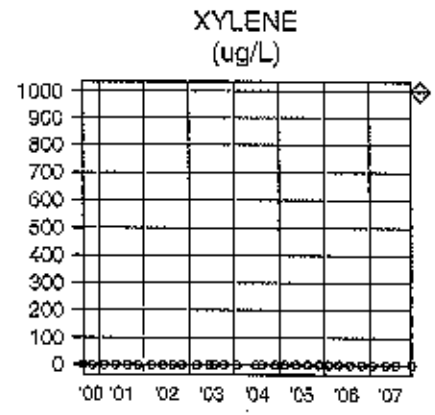
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

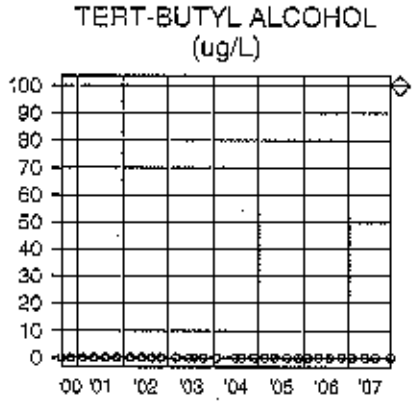
000050

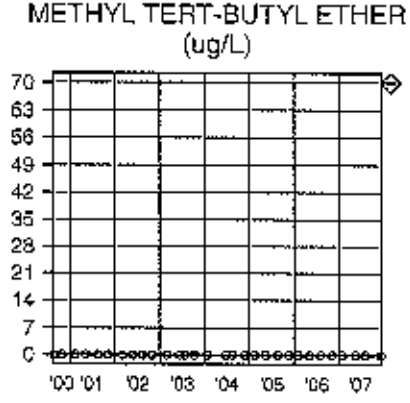
01-02-2008 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

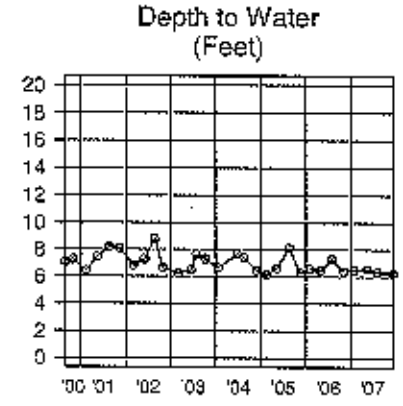












SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 12/04/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

01-02-2008 L:\DPW\E\VS_Lab\Lab Data\MTechData\2567\2567.WSF

000051

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
09/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb
07/30/2007	FMETL	1.85	ND	ND	ND	ND	6.11				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.09				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 12/04/2007

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

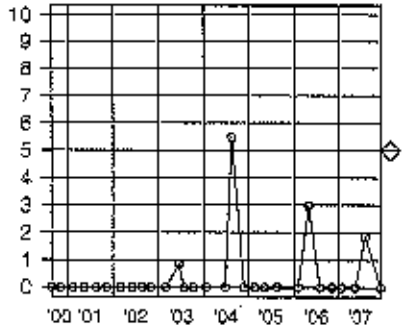
Source 7 of 7

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

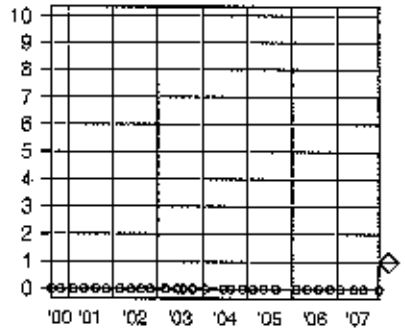
000052

01-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

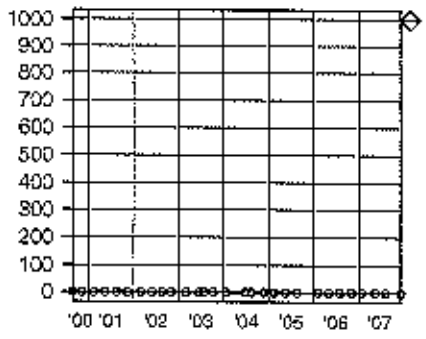
LEAD
(ug/L)



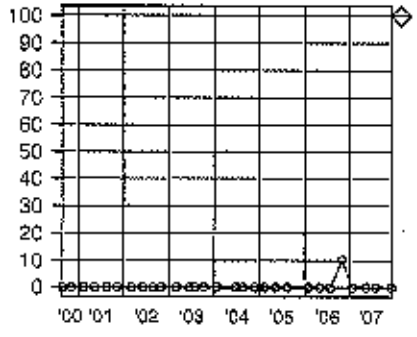
BENZENE
(ug/L)



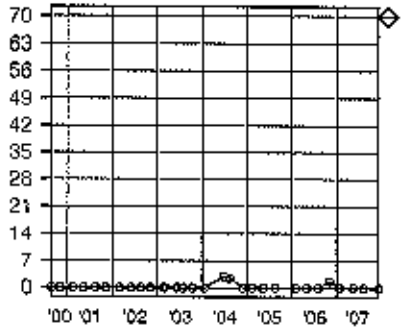
XYLENE
(ug/L)



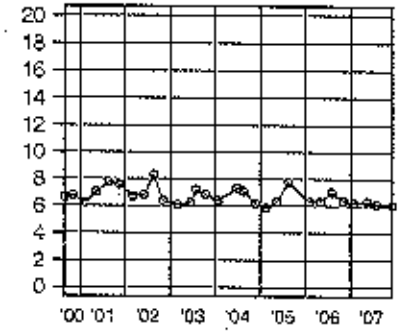
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 12/04/2007

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

000053

6-02-2008 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8006304	2567MW01	29-26925	02/29/08
8006305	2567MW02	29-26926	02/29/08
8006306	2567MW03	29-26947	02/29/08
8006307	2567MW04	29-26948	02/29/08
8006308	2567MW05	29-31783	02/29/08
8006309	2567MW06	29-42585	02/29/08
8006310	2567MW07	29-42586	02/29/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer/Date: 4/2/08
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: 1ST QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK /TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA #'s	DP							Comments: Remarks / Preservation Method
800163 .01	2567 TRIP BLANK	2-29-08	10:00	AQ	2	X								
.02	2567 FIELDBLANK	2-29-08	13:20	AQ	3	X	X							
.03	2567 DUP	2-29-08	—	AQ	3	X	X							
.04	2567 MW#01	2-29-08	15:30	AQ	3	X	X							29-26925
.05	2567 MW#02	2-29-08	15:40	AQ	3	X	X							29-26926
.06	2567 MW#03	2-29-08	16:10	AQ	3	X	X							29-26947
.07	2567 MW#04	2-29-08	15:50	AQ	3	X	X							29-26948
.08	2567 MW#05	2-29-08	16:00	AQ	3	X	X							29-31783
.09	2567*MW#06	2-29-08	13:30	AQ	3	X	X							29-42585
.10	2567 MW#07	2-29-08	13:40	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	2/29/08 1638	[signature] 3/3/08 730			
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:

200000

print legibly

jackie._1.XLS2/6/2008

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.13 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.97 ft
(9.97) X .65 X 3 = 19.44
GALLONS OF H_2O TO BE PURGED: 20 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: 13:55
pH 6.73 su — TEMP 9.38 °C
DISSOLVED O_2 0.54 mg/L — SPECIFIC CONDUCTIVITY 3458.0 µs/cm

PURGE END TIME: 15:22
pH 6.68 su — TEMP 6.91 °C
DISSOLVED O_2 2.37 mg/L — SPECIFIC CONDUCTIVITY 4006.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.01 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 15:30
pH 6.64 su — TEMP 9.12 °C
DISSOLVED O_2 0.42 mg/L — SPECIFIC CONDUCTIVITY 4247.0 µs/cm

SAMPLE END TIME: 15:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.95 ft
DEPTH OF WELL: 12.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.25 ft
(9.25) X .65 X 3 = 18.03
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: 14:05
pH 6.96 su
DISSOLVED O_2 5.62 mg/L
TEMP 10.26 °C
SPECIFIC CONDUCTIVITY 2006.0 µs/cm

PURGE END TIME: 15:33
pH 7.08 su
DISSOLVED O_2 2.92 mg/L
TEMP 10.63 °C
SPECIFIC CONDUCTIVITY 2437.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.86 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:40
pH 6.89 su
DISSOLVED O_2 0.34 mg/L
TEMP 10.77 °C
SPECIFIC CONDUCTIVITY 2306.0 µs/cm

SAMPLE END TIME: 15:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.64 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.86 ft
(9.86) X .65 X 3 = 19.22
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 14:21
pH 7.04 su
DISSOLVED O_2 4.34 mg/L
TEMP 9.83 °C
SPECIFIC CONDUCTIVITY 1738.0 µs/cm

PURGE END TIME: 15:48
pH 6.69 su
DISSOLVED O_2 1.12 mg/L
TEMP 9.67 °C
SPECIFIC CONDUCTIVITY 3309.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.39 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 16:10
pH 6.76 su
DISSOLVED O_2 0.34 mg/L
TEMP 9.74 °C
SPECIFIC CONDUCTIVITY 3609.0 µs/cm

SAMPLE END TIME: 16:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.01 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.65 ft
(9.65) X .65 X 3 = 18.81
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 14:14
pH 7.12 su — TEMP 7.64 °C
DISSOLVED O_2 5.47 mg/L — SPECIFIC CONDUCTIVITY 1392.0 µs/cm

PURGE END TIME: 15:37
pH 6.59 su — TEMP 7.80 °C
DISSOLVED O_2 0.62 mg/L — SPECIFIC CONDUCTIVITY 2598.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.11 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 15:50
pH 6.34 su — TEMP 7.77 °C
DISSOLVED O_2 0.37 mg/L — SPECIFIC CONDUCTIVITY 2618.0 µs/cm

SAMPLE END TIME: 15:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.53 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.22 ft
(8.22) X .65 X 3 = 16.02
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: 14:30
pH 6.64 su — TEMP 7.20 °C
DISSOLVED O_2 5.47 mg/L — SPECIFIC CONDUCTIVITY 1021.0 µs/cm

PURGE END TIME: 15:40
pH 6.76 su — TEMP 7.48 °C
DISSOLVED O_2 3.49 mg/L — SPECIFIC CONDUCTIVITY 1408.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.48 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 16:00
pH 6.58 su — TEMP 7.24 °C
DISSOLVED O_2 4.32 mg/L — SPECIFIC CONDUCTIVITY 1158.0 µs/cm

SAMPLE END TIME: 16:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.22 ft
DEPTH OF WELL: 15.74 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: 0.00 ppm

PURGE START TIME: 11:58
pH 5.77 su — TEMP 7.30 °C
DISSOLVED O_2 6.56 mg/L — SPECIFIC CONDUCTIVITY 1406.0 µs/cm

PURGE END TIME: 13:21
pH 5.62 su — TEMP 7.04 °C
DISSOLVED O_2 2.45 mg/L — SPECIFIC CONDUCTIVITY 1512.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.22 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 13:30
pH 5.24 su — TEMP 6.95 °C
DISSOLVED O_2 1.40 mg/L — SPECIFIC CONDUCTIVITY 1506.0 µs/cm

SAMPLE END TIME: 13:30

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 02/29/08
WEATHER: Sunny and cold
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.18 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.32 ft
(10.32) X .65 X 3 = 20.12
GALLONS OF H2O TO BE PURGED: 21 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 6.27 su TEMP 7.62 °C
DISSOLVED O_2 7.77 mg/L SPECIFIC CONDUCTIVITY 846.0 µs/cm

PURGE END TIME: 13:37
pH 6.29 su TEMP 8.12 °C
DISSOLVED O_2 3.04 mg/L SPECIFIC CONDUCTIVITY 1129.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 13:40
pH 6.27 su TEMP 8.16 °C
DISSOLVED O_2 2.02 mg/L SPECIFIC CONDUCTIVITY 1128.0 µs/cm

SAMPLE END TIME: 13:40

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	VA129.D	Sample Name	MB 3/13/08
Operator	ROBERTS	Meld ID	Method 624 3/12/08
Date Acquired	13 Mar 2008 5:29 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	
71-55-6	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	
124-48-1	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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB 3/13/08

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: MB 3/13/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA129.D

Level: (low/med) LOW Date Received: 3/4/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA135.D	Sample Name	80006301
Operator	ROBERTS	Field ID	2567 TRIP BLANK
Date Acquired	13 Mar 2008 8:38 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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 TRIP BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006301

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA135.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA136.D	Sample Name	8006302
Operator	ROBERTS	Field ID	2567 FIELD BLANK
Date Acquired	13 Mar 2008 9:10 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	0.34 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	
71-55-6	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	
124-48-1	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	0.14 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

*Highest 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.

567 FIELD BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006302

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA136.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA138.D	Sample Name	8006304
Operator	ROBERTS	Field ID	2567 MW #01
Date Acquired	13 Mar 2008 10:13 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	8.23	222268	138.73	ug/L	100	1.82	ug/L	10.00	ug/L	
1634044	Methyl-tert-Butyl ether	8.20	26862	0.57	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	
71-55-6	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#01

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006304

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA138.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA139.D	Sample Name	8006305
Operator	ROBERTS	Field ID	2567 MW #02
Date Acquired	13 Mar 2008 10:45 pm	Sample Multiplier	1

CAS#	Compound Name	RT.	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	n/e	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	n/e	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	
71-55-6	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	n/e	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	n/e	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	n/e	0.42	ug/L	2.00 ug/L	
124-48-1	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	n/e	0.34	ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not	detected	n/e	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 PQLs 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
NLL = 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.

2567 MW#02

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006305

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA139.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA140.D	Sample Name	8006306
Operator	ROBERTS	Field ID	2567 MW #03
Date Acquired	13 Mar 2008 11:16 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	8.26	38818	20.04	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.20	43420	1.10	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	
75-34-3	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	
71-55-6	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	0.36	ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not	detected	nle	0.42	ug/L	2.00 ug/L	
124-48-1	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	n/e	0.34	ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not	detected	n/e	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 Mank
E = Value above linear range
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.

2567 MW#03

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006306

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA140.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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: 9

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.		(DEL) Alkane: Branched	6.26	12	J
2.		(DEL) Alkane: Straight-Chain	6.55	4	J
3.		(DEL) Alkane: Branched	7.62	14	J
4.		(DEL) Alkane: Cyclic	7.70	3	J
5.		(DEL) Alkane: Branched	7.90	8	J
6.		(DEL) Alkane: Cyclic	8.95	16	J
7.		C3 alkyl benzene	17.02	4	J
8.	000103-65-1	Benzene, propyl-	17.84	5	JN
9.	000496-11-7	Indane	20.09	7	JN

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

Data File	VA141.D	Sample Name	8006307
Operator	ROBERTS	Field ID	2567 MW #04
Date Acquired	13 Mar 2008 11:48 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Limit (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	
71-55-6	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	6000	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#04

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006307

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA141.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA142.D	Sample Name	8006308
Operator	ROBERTS	Field ID	2567 MW #05
Date Acquired	14 Mar 2008 12:19 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	20	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	0.67	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	
71-55-6	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#05

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006308

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA142.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/14/2008

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	VA137.D	Sample Name	8006309
Operator	ROBERTS	Field ID	2567 MW #06
Date Acquired	13 Mar 2008 9:42 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
71-55-6	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
124-48-1	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 07Nov2007

Qualifiers

B = Compound found in related blank
E = Value above linear range
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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3/31/2008 11:28 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#06

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006309

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA137.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/13/2008

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	VA143.D	Sample Name	8006310
Operator	ROBERTS	Field ID	2567 MW #07
Date Acquired	14 Mar 2008 12:52 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	300	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	
75-34-3	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	3000	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	
124-48-1	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 03 Nov2006

Qualifiers

B = Compound found in related blank
E = Value above linear range
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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3/31/2008 10:31 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#07

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80063

Matrix: (soil/water) WATER Lab Sample ID: 8006310

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA143.D

Level: (low/med) LOW Date Received: 2/29/2008

% Moisture: not dec. Date Analyzed: 3/14/2008

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

LEAD

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

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

Lab ID #: 80063
Sample Received: 02/29/08
Analysis Start: 03/10/08
Analysis Completed: 03/10/08

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
8006302	2567 Field Blank	ND	5.0	0.700	5.00
8006303	2567 Dup	ND	5.0	0.700	5.00
8006304	2567 MW#01	ND	5.0	0.700	5.00
8006305	2567 MW#02	ND	5.0	0.700	5.00
8006306	2567 MW#03	ND	5.0	0.700	5.00
8006307	2567 MW#04	ND	5.0	0.700	5.00
8006308	2567 MW#05	3.24	5.0	0.700	5.00
8006309	2567 MW#06	ND	5.0	0.700	5.00
8006310	2567 MW#07	ND	5.0	0.700	5.00
Method Blank	Method Blank	ND	5.0	0.700	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2600	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.46				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1486.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	784.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	246.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000035

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechDate\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	823.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	476.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	142.19	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.53	3.47				V, Pb
01/18/2007	FMETL	ND	ND	ND	114.24	1.03	3.47				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	381.93	ND	3.45				V, Pb
12/04/2007	FMETL	ND	ND	ND	76.26	0.46	3.46				V, Pb
02/29/2008	FMETL	ND	ND	ND	138.73	0.57	3.13				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7 (cont.)

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

000036

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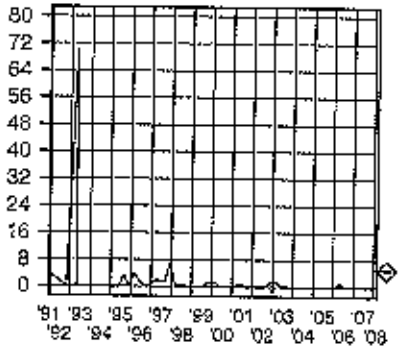
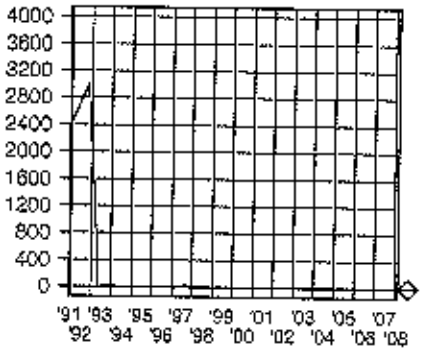
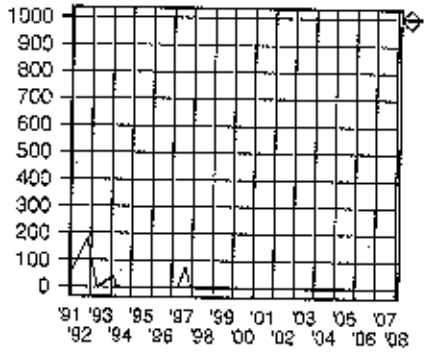
LEAD
(ug/L)



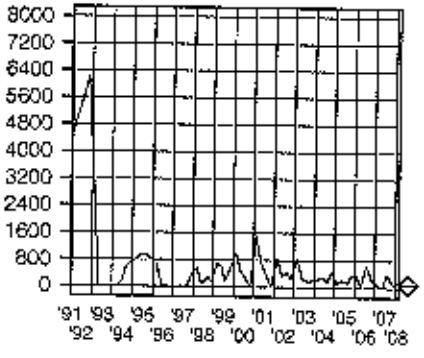
BENZENE
(ug/L)



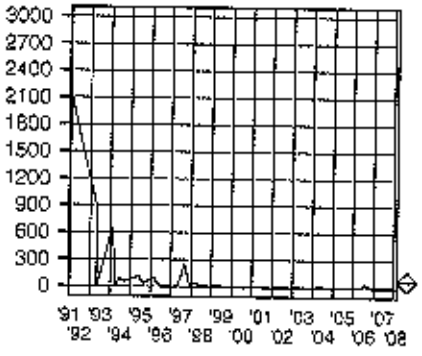
XYLENE
(ug/L)



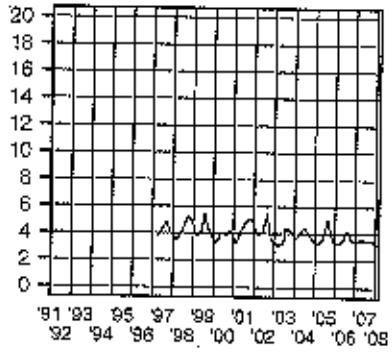
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 02/29/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

04-02-2009 I:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000037

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.82				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

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	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.631	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/16/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.35				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	3.75				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	3.17				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

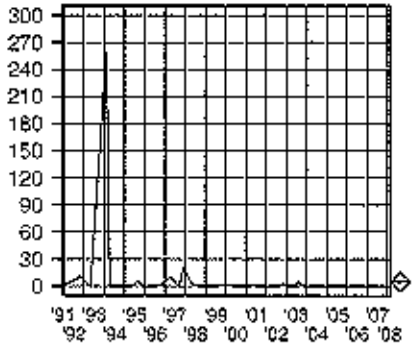
Source 2 of 7 (cont.)

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

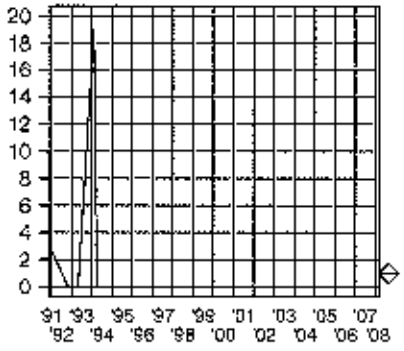
000039

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

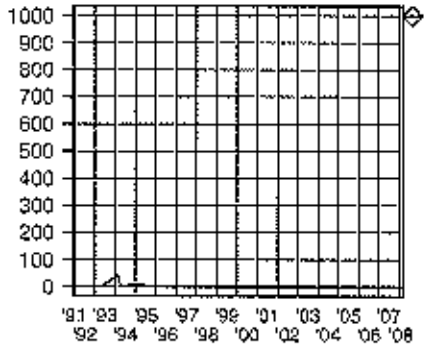
LEAD
(ug/L)



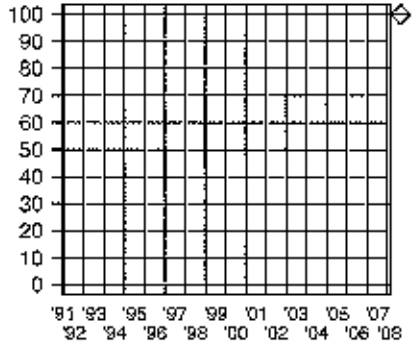
BENZENE
(ug/L)



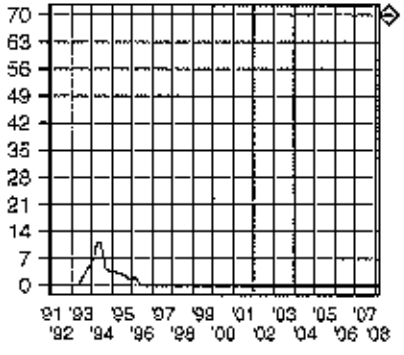
XYLENE
(ug/L)



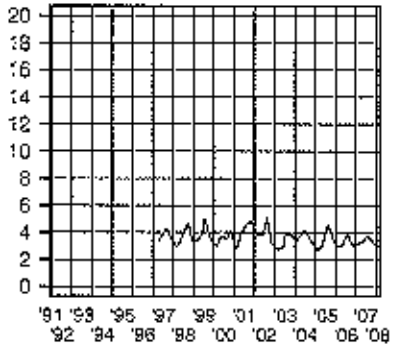
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 02/29/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

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04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	89	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.37	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	6.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 02/29/2006

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

000041

04-08-2009 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.08	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.66				V, Pb
01/18/2007	FMETL	ND	ND	0.69	81.05	3.75	2.76				V, Pb
05/08/2007	FMETL	ND	ND	4.13	ND	ND	2.85				V, Pb
07/30/2007	FMETL	0.780	ND	ND	71.53	ND	2.88				V, Pb
12/04/2007	FMETL	ND	0.14	0.46	24.36	0.62	2.77				V, Pb
02/29/2008	FMETL	ND	ND	ND	29.04	1.10	2.64				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

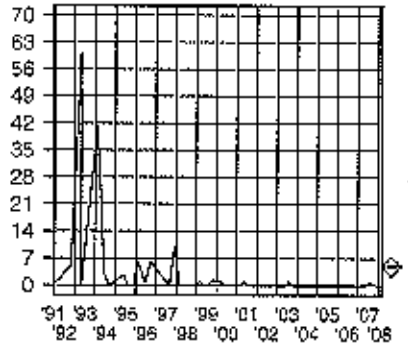
GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7 (cont.)

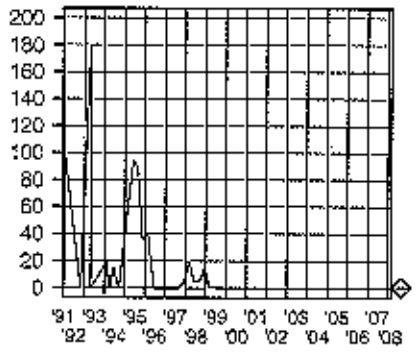
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

250042

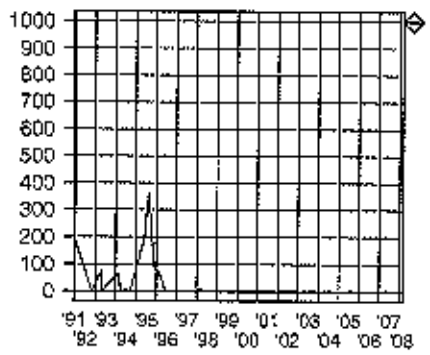
LEAD
(ug/L)



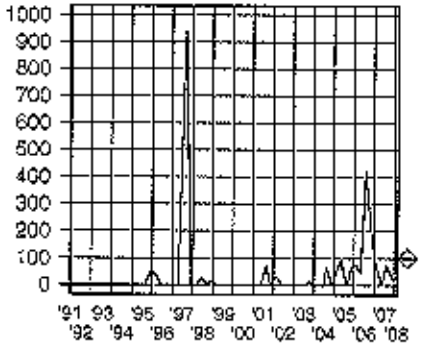
BENZENE
(ug/L)



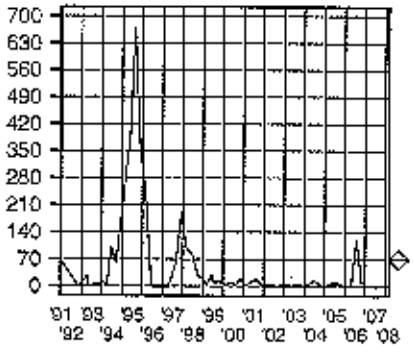
XYLENE
(ug/L)



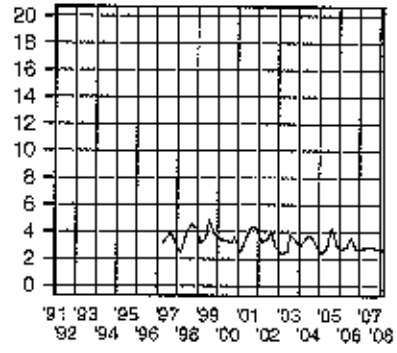
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 02/29/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 8 of 7, Graph

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

04-08-2009 L:\DPW\ENVR_Lab\Loc Data\MTechDesk\2567\2567.WSF

000043

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.66				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.66				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

04-02-2008 L:\DPW\ENVP_Lab\Lab Data\MTechData\2567\2567.WSF

000044

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
07/30/2007	FMETL	2.04	ND	ND	ND	ND	1.93				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.01				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

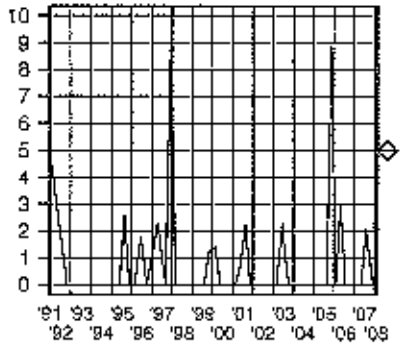
Source 4 of 7 (cont.)

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

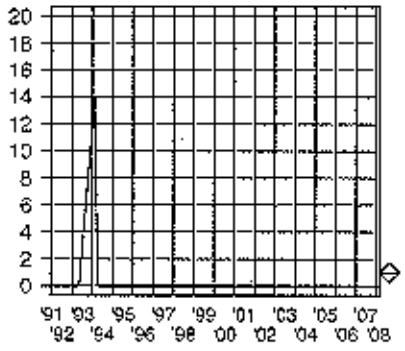
000043

04-02-2008 J:\DPW\ENVR_Lab\Lab Data\VTechData\2567\2567.WSF

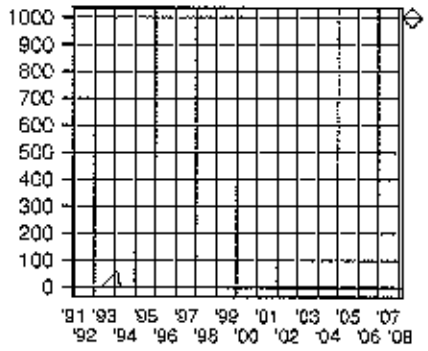
LEAD
(ug/L)



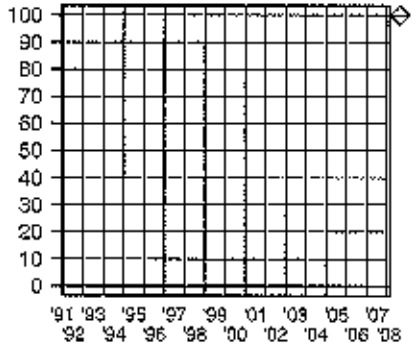
BENZENE
(ug/L)



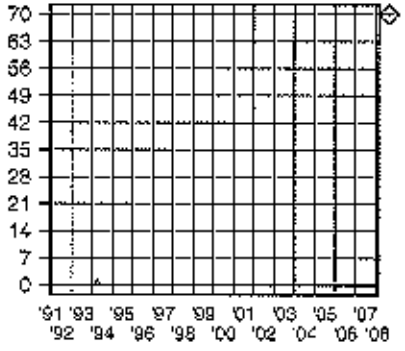
XYLENE
(ug/L)



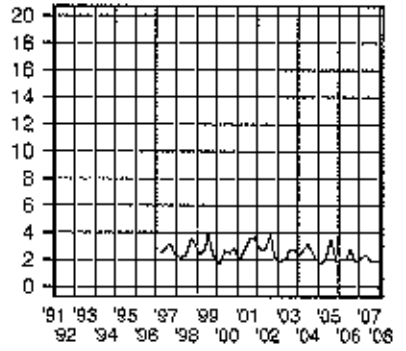
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 02/29/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

000046

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	1.0	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.63				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	52.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

000047

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	8.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	8.47	ND	ND	ND	ND	6.93				V, Pb
07/30/2007	FMETL	11.0	ND	ND	ND	ND	5.84				V, Pb
12/04/2007	FMETL	5.32	ND	ND	ND	ND	6.33				V, Pb
02/29/2008	FMETL	3.24	ND	ND	ND	ND	6.53				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

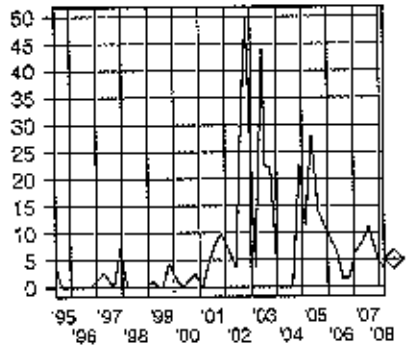
GW MONITORING
Bldg. 2567
Table / Graph A
Source 5 of 7 (cont.)

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

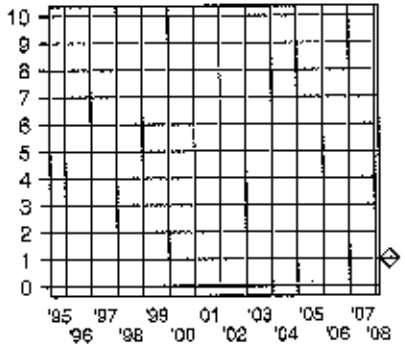
000048

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTech\Data\2567\2567.WSP

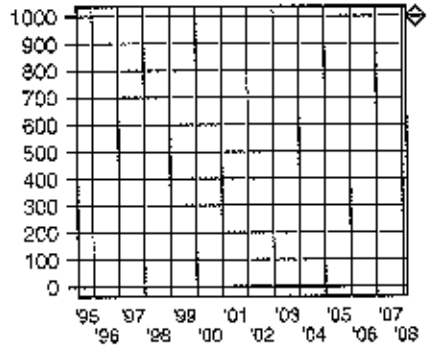
LEAD
(ug/L)



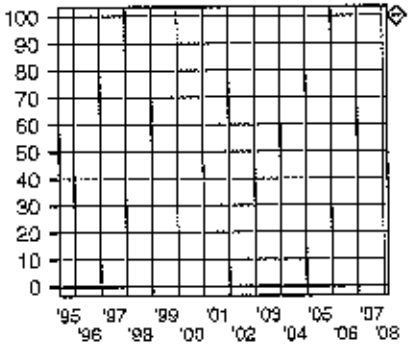
BENZENE
(ug/L)



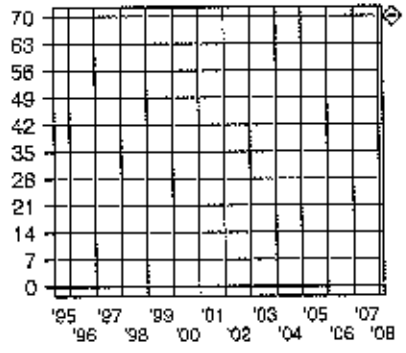
XYLENE
(ug/L)



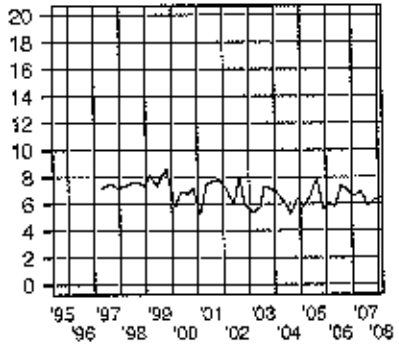
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 02/29/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7. Graph

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

650000

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.08				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/16/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	6.36				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.27				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.22				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

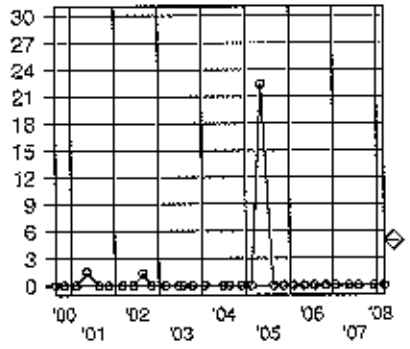
GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7

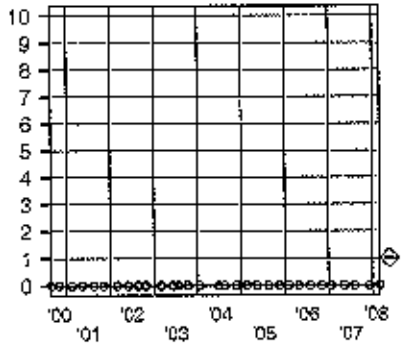
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000050

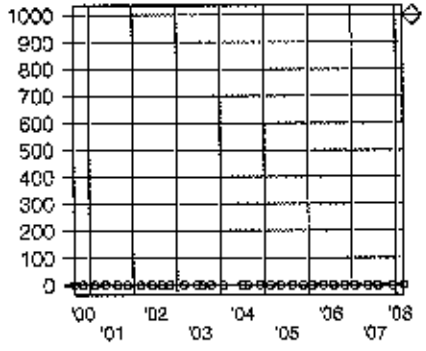
LEAD
(ug/L)



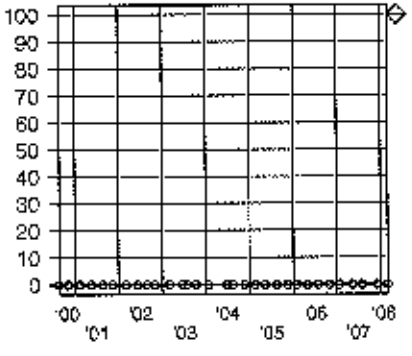
BENZENE
(ug/L)



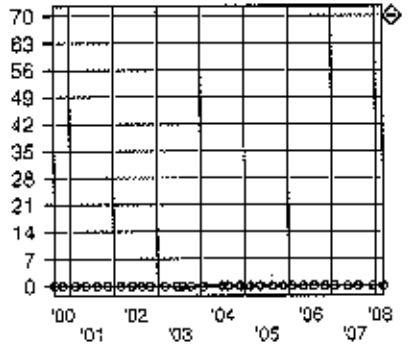
XYLENE
(ug/L)



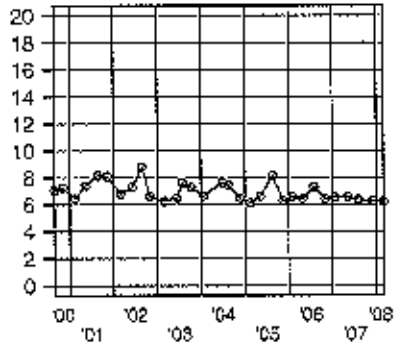
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
09/22/2000 - 02/29/2008

LEGEND:

PARAMETER

◇ = Date Sampled

◈ NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

000051

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTech\Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.60				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND.	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb
07/30/2007	FMETL	1.85	ND	ND	ND	ND	6.11				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.08				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.18				V, Pb

SOURCE: 2567MW07

Sampling Dates:
09/22/2000 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

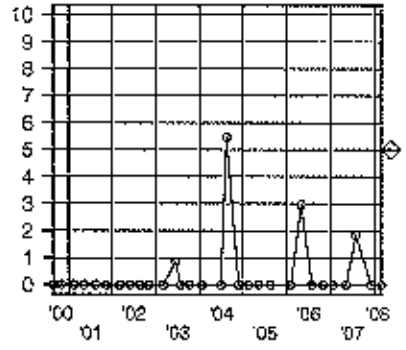
Source 7 of 7

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

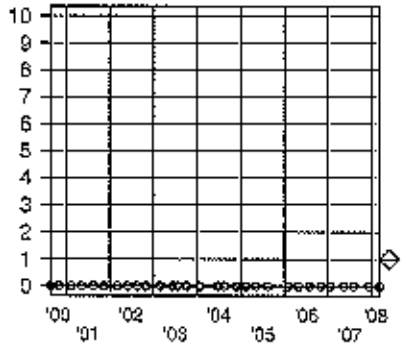
000052

04-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

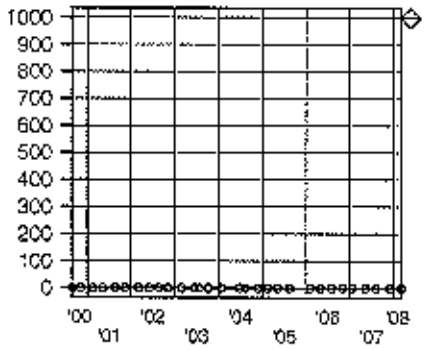
LEAD
(ug/L)



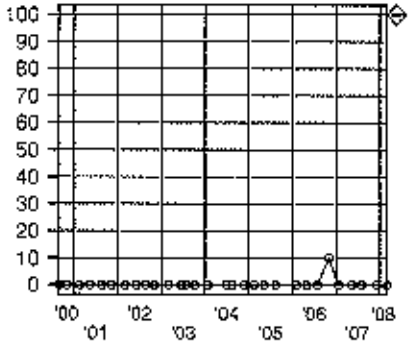
BENZENE
(ug/L)



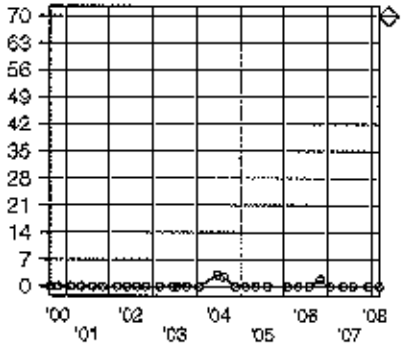
XYLENE
(ug/L)



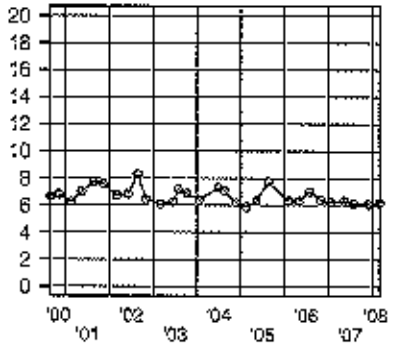
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 02/29/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

000053

04-02-2008 L:\DFW\ENVR_Lab\...ab Data\MTechData\2567\2567.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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8013604	2567MW01	29-26925	04/23/08
8013605	2567MW02	29-26926	04/23/08
8013606	2567MW03	29-26947	04/23/08
8013607	2567MW04	29-26948	04/23/08
8013608	2567MW05	29-31783	04/23/08
8013609	2567MW06	29-42585	04/23/08
8013610	2567MW07	29-42586	04/23/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer/Date: 5/20/08
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	VOA+15	Pb							Comments: Remarks / Preservation Method
80186.01	2567 TRIP BLANK	04-23-08	9:00	AQ	2	X								
.02	2567 FIELD BLANK	04-23-08	11:20	AQ	3	X	X							
.03	2567 DUP	04-23-08	—	AQ	3	X	X							
.04	2567 MW#01*	04-23-08	11:50	AQ	3	X	X							29-26925
.05	2567 MW#02	04-23-08	11:30	AQ	3	X	X							29-26926
.06	2567 MW#03	04-23-08	14:20	AQ	3	X	X							29-26947
.07	2567 MW#04	04-23-08	11:40	AQ	3	X	X							29-26948
.08	2567 MW#05	04-23-08	14:00	AQ	3	X	X							29-31783
.09	2567 MW#06	04-23-08	13:50	AQ	3	X	X							29-42585
.10	2567 MW#07	04-23-08	14:10	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	4/23/08 15:05				
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

jackie._1.XLS2/6/2008

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.70 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.40 ft
(9.40) X .65 X 3 = 18.33
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: 10:25
pH 7.12 su — TEMP 12.32 °C
DISSOLVED O_2 1.53 mg/L — SPECIFIC CONDUCTIVITY 1826.0 µs/cm

PURGE END TIME: 11:48
pH 6.63 su — TEMP 12.89 °C
DISSOLVED O_2 0.84 mg/L — SPECIFIC CONDUCTIVITY 4727.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.31 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:50
pH 7.17 su — TEMP 12.84 °C
DISSOLVED O_2 0.53 mg/L — SPECIFIC CONDUCTIVITY 4828.0 µs/cm

SAMPLE END TIME: 11:50

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.53 ft
DEPTH OF WELL: 12.20 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: 10:09
pH 7.62 su — TEMP 13.54 °C
DISSOLVED O_2 1.30 mg/L — SPECIFIC CONDUCTIVITY 2709.0 µs/cm

PURGE END TIME: 11:23
pH 7.42 su — TEMP 13.79 °C
DISSOLVED O_2 0.78 mg/L — SPECIFIC CONDUCTIVITY 2473.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.69 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:30
pH 7.11 su — TEMP 13.50 °C
DISSOLVED O_2 0.45 mg/L — SPECIFIC CONDUCTIVITY 2373.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.97 ft
DEPTH OF WELL: 12.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.53 ft
(9.53) X .65 X 3 = 18.53
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 12:56
pH 6.69 su — TEMP 13.90 °C
DISSOLVED O_2 1.52 mg/L — SPECIFIC CONDUCTIVITY 1344.0 µs/cm

PURGE END TIME: 14:19
pH 6.46 su — TEMP 13.95 °C
DISSOLVED O_2 1.29 mg/L — SPECIFIC CONDUCTIVITY 3730.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.27 ft
(SAMPLING METHOD: DEDICATED (JAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:20
pH 6.71 su — TEMP 13.67 °C
DISSOLVED O_2 0.34 mg/L — SPECIFIC CONDUCTIVITY 3852.0 µs/cm

SAMPLE END TIME: 14:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.41 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.25 ft
(9.25) X .65 X 3 = 18.03
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:17
pH 7.88 su — TEMP 11.22 °C
DISSOLVED O_2 1.35 mg/L — SPECIFIC CONDUCTIVITY 1054.0 µs/cm

PURGE END TIME: 11:35
pH 7.24 su — TEMP 11.88 °C
DISSOLVED O_2 2.78 mg/L — SPECIFIC CONDUCTIVITY 2314.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.62 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:40
pH 6.79 su — TEMP 11.40 °C
DISSOLVED O_2 0.61 mg/L — SPECIFIC CONDUCTIVITY 2211.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.02 ft
DEPTH OF WELL: 14.75 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: 12:47
pH 6.39 su
TEMP 10.06 °C
DISSOLVED O_2 0.92 mg/L
SPECIFIC CONDUCTIVITY 897.0 µs/cm

PURGE END TIME: 13:52
pH 6.58 su
TEMP 12.62 °C
DISSOLVED O_2 1.44 mg/L
SPECIFIC CONDUCTIVITY 781.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 14.10 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:00
pH 6.69 su
TEMP 12.71 °C
DISSOLVED O_2 1.24 mg/L
SPECIFIC CONDUCTIVITY 770.0 µs/cm

SAMPLE END TIME: 14:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.57 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.17 ft
(9.17) X .65 X 3 = 17.88
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: 12:28
pH 6.73 su — TEMP 9.70 °C
DISSOLVED O_2 5.15 mg/L — SPECIFIC CONDUCTIVITY 1059.0 µs/cm

PURGE END TIME: 13:46
pH 5.96 su — TEMP 9.72 °C
DISSOLVED O_2 1.90 mg/L — SPECIFIC CONDUCTIVITY 1155.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.38 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 13:50
pH 5.37 su — TEMP 9.55 °C
DISSOLVED O_2 0.92 mg/L — SPECIFIC CONDUCTIVITY 1137.0 µs/cm

SAMPLE END TIME: 13:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 04/23/08
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.32 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.18 ft
(10.18) X .65 X 3 = 19.85
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 12:36
pH 6.68 su TEMP 10.86 °C
DISSOLVED O_2 2.44 mg/L SPECIFIC CONDUCTIVITY 789.0 µs/cm

PURGE END TIME: 14:03
pH 6.64 su TEMP 10.93 °C
DISSOLVED O_2 3.77 mg/L SPECIFIC CONDUCTIVITY 944.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.23 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 14:10
pH 6.62 su TEMP 10.91 °C
DISSOLVED O_2 2.62 mg/L SPECIFIC CONDUCTIVITY 923.0 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 respouse 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: VA691.D
Operator: ROBERTS
Date Acquired: 30 Apr 2008 4:32 pm

Sample Name: 8013601
Field ID: 2567 TRIP BLANK
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	6300	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	10.12	20571	2.38	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 TRIP BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA691.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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	VA692.D	Sample Name	8013602
Operator	ROBERTS	Field ID	2567 FIELD BLANK
Date Acquired	30 Apr 2008 5:04 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	300	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	10.12	21661	2.62	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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

:567 FIELD BLANI

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA692.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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	VA693.D	Sample Name	8013603
Operator	ROBERTS	Field ID	2567 DUP
Date Acquired	30 Apr 2008 5:37 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Limit (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	8.23	58602	50.57	ug/L	100	1.82	ug/L	10.00	ug/L	
1634044	Methyl-tert-Butyl ether	8.19	66062	0.44	ug/L	70	0.23	ug/L	2.00	ug/L	
108203	Di Isopropyl ether			not	detected	2000D	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	
71-55-6	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	nls	0.42	ug/L	2.00	ug/L	
124-48-1	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	0.33	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. 7:9C (Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
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.

2567 DUP

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA693.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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	VA694.D	Sample Name	8013604
Operator	ROBERTS	Field ID	2567 MW#01
Date Acquired	30 Apr 2008 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	2	0.80	ug/L	10.00 ug/L	
75650	tert-Butyl alcohol	8.23	92514	80.22	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.19	16187	0.44	ug/L	70	0.23	ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not	detected	38000	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	n/e	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	n/e	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	n/e	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	n/e	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	n/e	0.42	ug/L	2.00 ug/L	
124-48-1	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	n/e	0.34	ug/L	4.00 ug/L	
1330-20-7	o-Xylene			not	detected	n/e	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.

2567 MW#01

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA694.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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	VA695.D	Sample Name	8013605
Operator	ROBERTS	Field ID	2567 MW#02
Date Acquired	30 Apr 2008 6:41 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	70000	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	
71-55-6	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	
124-48-1	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

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

Data File	VA698.D	Sample Name	80/3606
Operator	ROBERTS	Field ID	2567 MW#03
Date Acquired	30 Apr 2008 8:19 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	2	0.80	ug/L	10.00 ug/L	
75650	tert-Butyl alcohol	8.23	53970	49.26	ug/L	100	1.82	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.21	50770	1.46	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	
71-55-6	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	
124-48-1	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	15.63	21544	0.92	ug/L	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.

2567 MW#03

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013606

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA698.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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: 12

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	(DEL) Alkane: Branched	6.26	20	J
2.	(DEL) Alkane: Straight-Chain	6.54	9	J
3.	(DEL) Alkane: Branched	7.12	4	J
4.	(DEL) Alkane: Branched	7.61	28	J
5.	(DEL) Alkane: Branched	7.90	16	J
6.	(DEL) Alkane: Cyclic	8.94	28	J
7.	(DEL) Alkane: Cyclic	10.24	3	J
8.	C3 alkyl benzene	17.03	12	J
9.	C3 alkyl benzene	17.83	13	J
10. 000496-11-7	Indane	20.09	19	JN
11.	1H-indene-dihydro-methyl	21.12	4	J
12.	1H-indene-dihydro-methyl	22.65	4	J

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

Data File	VA699.D	Sample Name	80136007
Operator	ROBERTS	Field ID	2567 MW#04
Date Acquired	30 Apr 2008 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	2000	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	
71-55-6	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	
124-48-1	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

J = Compound found in related blank
E = Value above linear range
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.

2567 MW#04

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013607

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA699.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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	VA700.D	Sample Name	8013608
Operator	ROBERTS	Field ID	2567 MW#05
Date Acquired	30 Apr 2008 9:28 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	0.29 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	2000	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	
124-48-1	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
NLS = 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.

2567 MW#05

Lab Name: FMETL Contract: _____

Lab Code: 13461 Case No.: MW SAS No.: _____ SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013608

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA700.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. _____ Date Analyzed: 4/30/2008

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	VA701.D	Sample Name	8013609
Operator	ROBERTS	Field ID	2567 MW#06
Date Acquired	30 Apr 2008 10:02 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	
124-48-1	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#06

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013609

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA701.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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	VA702.D	Sample Name	8013610
Operator	ROBERTS	Field ID	2567 MW#07
Date Acquired	30 Apr 2008 10:36 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	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	
71-55-6	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	
124-48-1	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 07/Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
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.

2567 MW#07

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013610

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA702.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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

LEAD

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#02

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80136

Matrix: (soil/water) WATER Lab Sample ID: 8013605

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA695.D

Level: (low/med) LOW Date Received: 4/23/2008

% Moisture: not dec. Date Analyzed: 4/30/2008

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

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

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

Lab ID #: 80136
Sample Received: 04/23/08
Analysis Start: 05/06/08
Analysis Completed: 05/06/08

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
8013602	2567 Field Blank	ND	5.0	1.30	5.00
8013603	2567 Dup	ND	5.0	1.30	5.00
8013604	2567 MW#01	ND	5.0	1.30	5.00
8013605	2567 MW#02	1.35	5.0	1.30	5.00
8013606	2567 MW#03	ND	5.0	1.30	5.00
8013607	2567 MW#04	ND	5.0	1.30	5.00
8013608	2567 MW#05	8.12	5.0	1.30	5.00
8013609	2567 MW#06	ND	5.0	1.30	5.00
8013610	2567 MW#07	ND	5.0	1.30	5.00
Method Blank	Method Blank	ND	5.0	1.30	5.00

ND = Not Detected, NA – Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2900	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/26/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	88	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	60	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.80				V,Pb
08/26/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	263	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1466.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/26/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.18	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000035

08-20-2009 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.8	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.06	2.08	3.60				V, Pb
05/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	142.19	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.66	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.53	3.47				V, Pb
01/18/2007	FMETL	ND	ND	ND	114.24	1.03	3.47				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	381.93	ND	3.45				V, Pb
12/04/2007	FMETL	ND	ND	ND	76.26	0.46	3.46				V, Pb
02/29/2008	FMETL	ND	ND	ND	138.73	0.57	3.13				V, Pb
04/23/2008	FMETL	ND	ND	ND	80.22	0.44	3.70				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

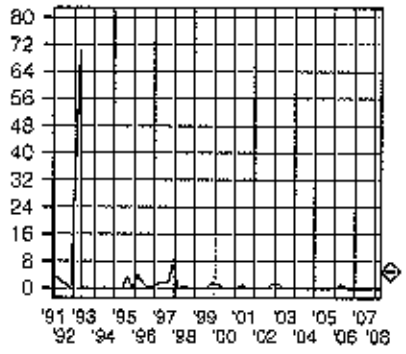
Source 1 of 7 (cont.)

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

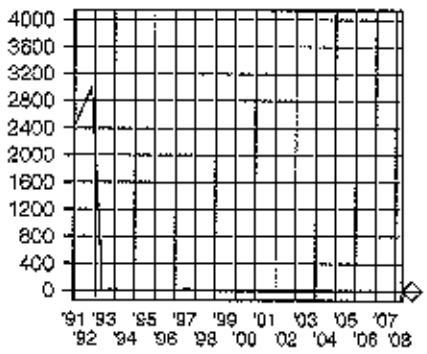
000036

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WS1

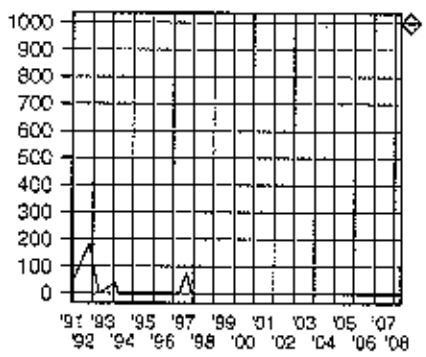
LEAD
(ug/L)



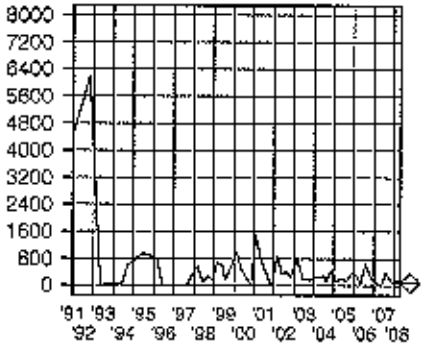
BENZENE
(ug/L)



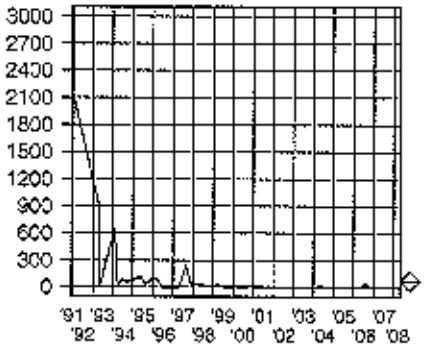
XYLENE
(ug/L)



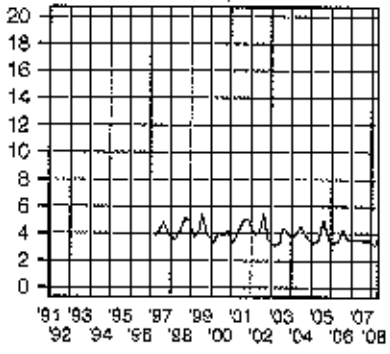
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 04/23/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

000037

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/26/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.61				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.61				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

000038

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.53				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.35				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	3.75				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	3.17				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
04/23/2008	FMETL	1.35	ND	ND	ND	ND	3.53				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

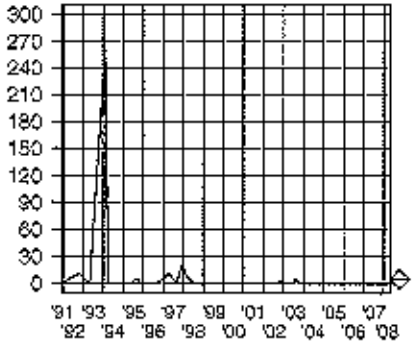
GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7 (cont.)

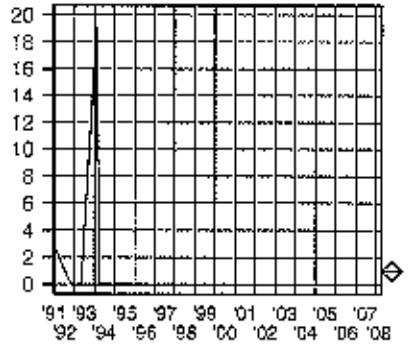
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000033

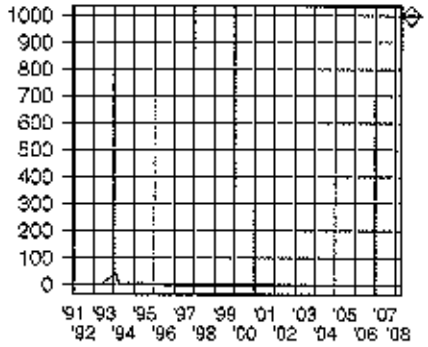
LEAD
(ug/L)



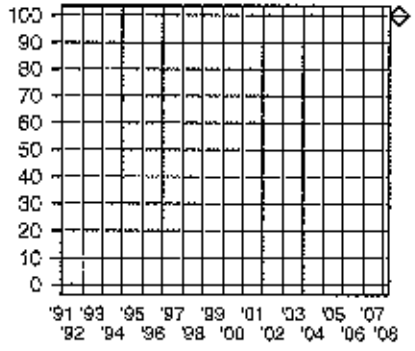
BENZENE
(ug/L)



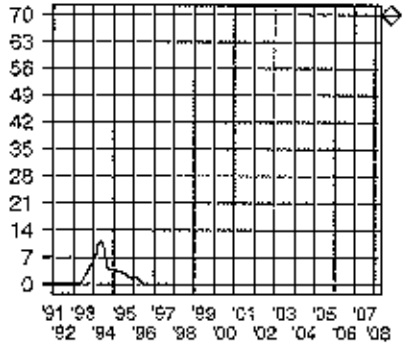
XYLENE
(ug/L)



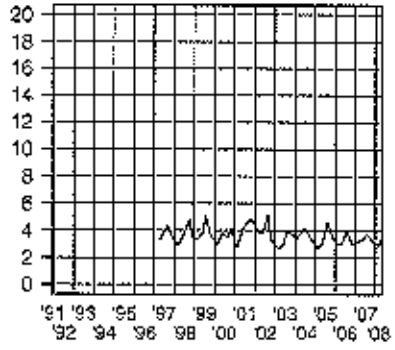
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 04/23/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000049

06-20-2008 L:\DPW\ENVR_Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/18/1998	FMETL	ND	15.45	3.67	19.36	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.96				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

000041

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.62	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.16	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.68				V, Pb
01/18/2007	FMETL	ND	ND	0.69	61.05	3.75	2.76				V, Pb
05/08/2007	FMETL	ND	ND	4.13	ND	ND	2.85				V, Pb
07/30/2007	FMETL	0.780	ND	ND	71.53	ND	2.86				V, Pb
12/04/2007	FMETL	ND	0.14	0.46	24.36	0.62	2.77				V, Pb
02/29/2008	FMETL	ND	ND	ND	29.04	1.10	2.64				V, Pb
04/23/2008	FMETL	ND	ND	0.92	49.26	1.46	2.97				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

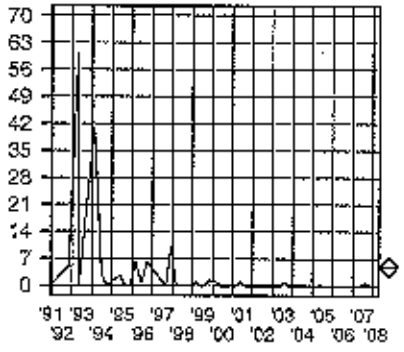
GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

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

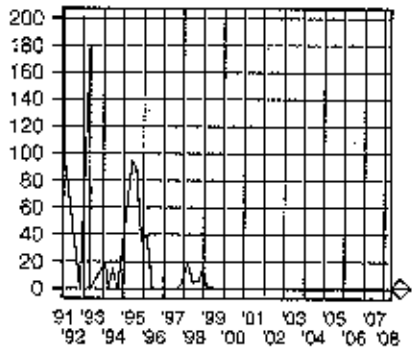
000042

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

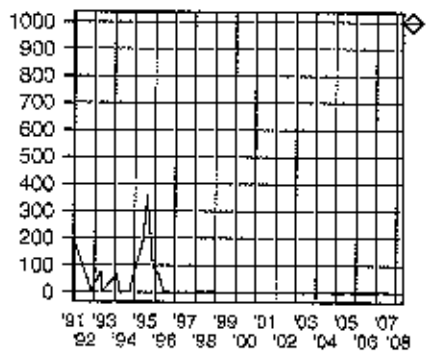
LEAD
(ug/L)



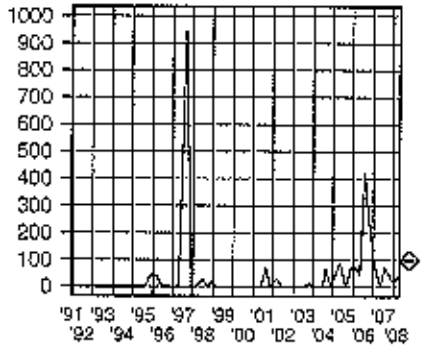
BENZENE
(ug/L)



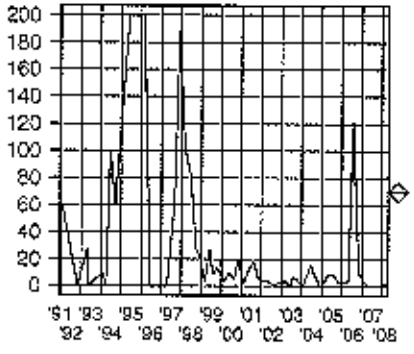
XYLENE
(ug/L)



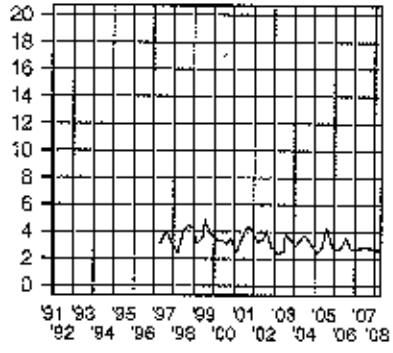
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 04/23/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

05-23-2008 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

000043

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
09/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.6	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

000044

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
07/30/2007	FMETL	2.04	ND	ND	ND	ND	1.93				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	1.87				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.01				V, Pb
04/23/2008	FMETL	ND	ND	ND	ND	ND	2.41				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

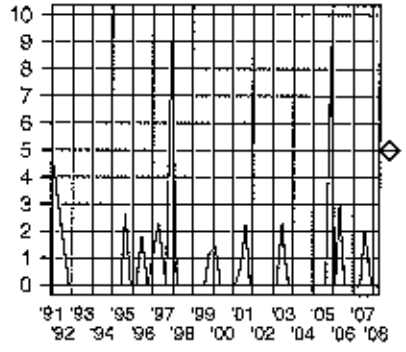
GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7 (cont.)

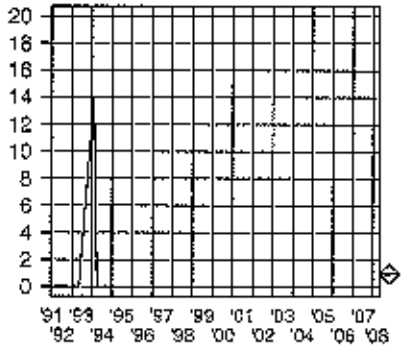
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000045

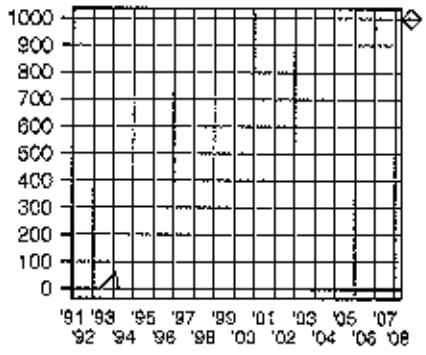
LEAD
(ug/L)



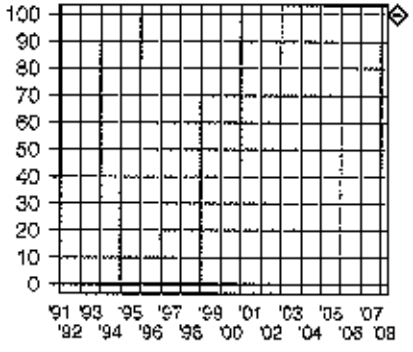
BENZENE
(ug/L)



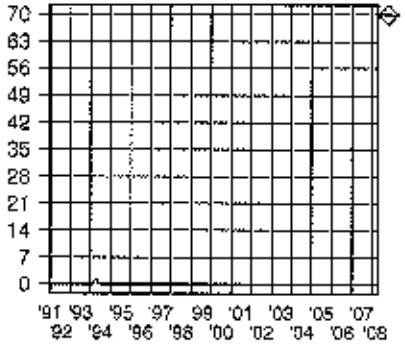
XYLENE
(ug/L)



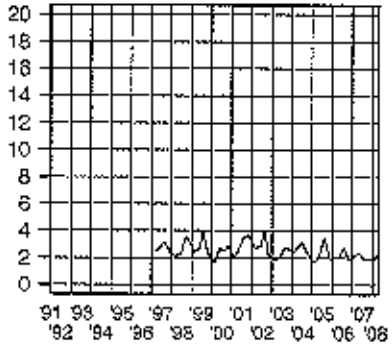
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 04/23/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

970000

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.9	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	1.0	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	6.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.58	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

000047

05-26-2008 L:\DPW\ENVR_lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	8.47	ND	ND	ND	ND	6.93				V, Pb
07/30/2007	FMETL	11.0	ND	ND	ND	ND	5.84				V, Pb
12/04/2007	FMETL	5.32	ND	ND	ND	ND	6.33				V, Pb
02/29/2008	FMETL	3.24	ND	ND	ND	ND	6.53				V, Pb
04/23/2008	FMETL	8.12	ND	ND	ND	ND	7.02				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

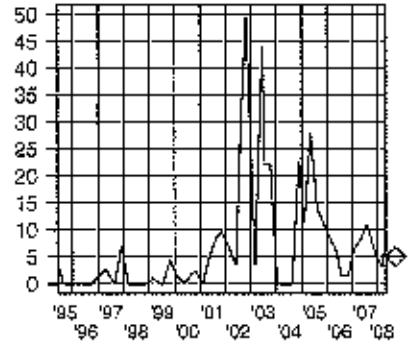
Source 5 of 7 (cont.)

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

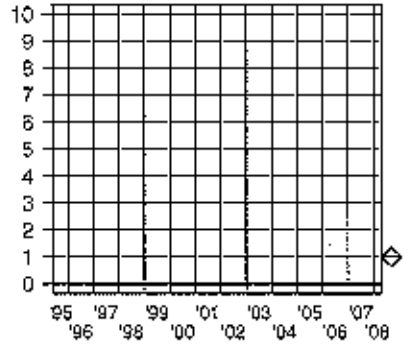
000048

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

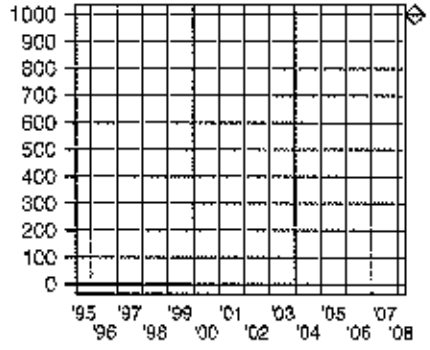
LEAD
(ug/L)



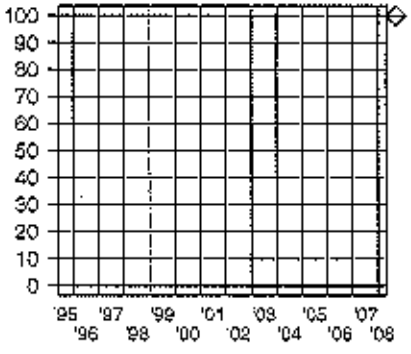
BENZENE
(ug/L)



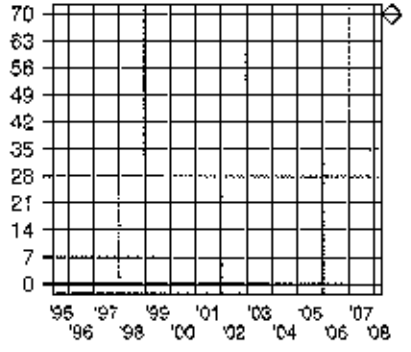
XYLENE
(ug/L)



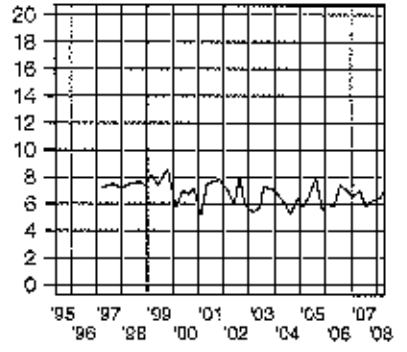
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 04/23/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

670049

05-20-2008 L:\DPW\ENVP_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.48				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	6.35				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.27				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.22				V, Pb
04/23/2008	FMETL	ND	ND	ND	ND	ND	6.57				V, Pb

SOURCE: 2567MW06

Sampling Dates:
06/22/2000 - 04/23/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

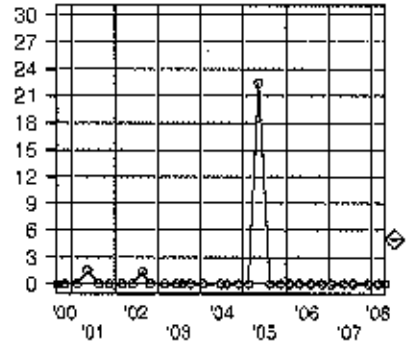
Source 6 of 7

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

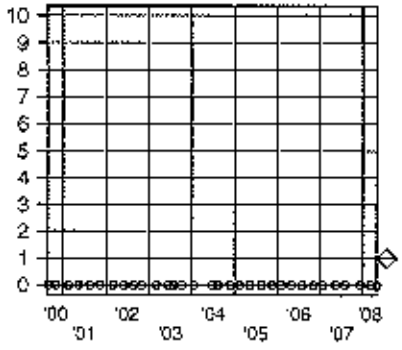
050000

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

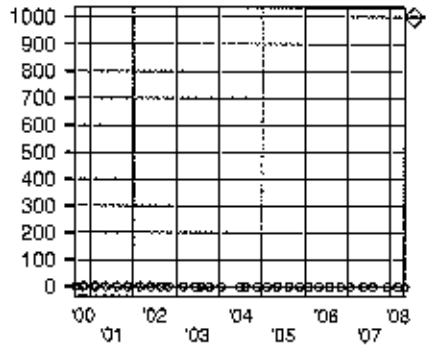
LEAD
(ug/L)



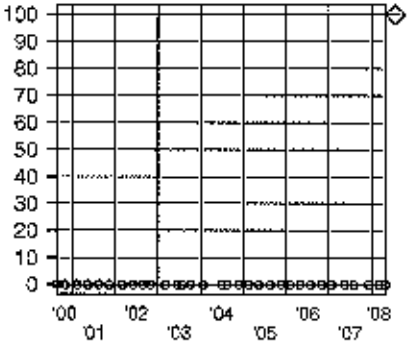
BENZENE
(ug/L)



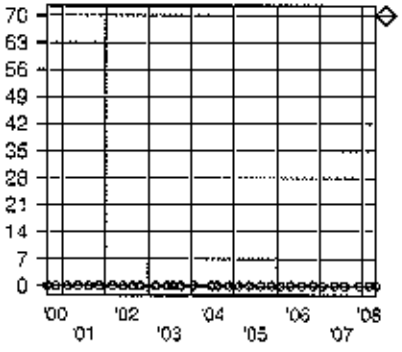
XYLENE
(ug/L)



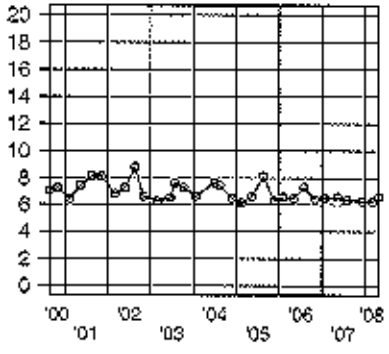
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 04/23/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

000051

05-20-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.60				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
05/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/16/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
04/23/2007	FMETL	ND	ND	ND	ND	ND	6.32				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb
07/30/2007	FMETL	1.85	ND	ND	ND	ND	6.11				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.06				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.18				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 02/29/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

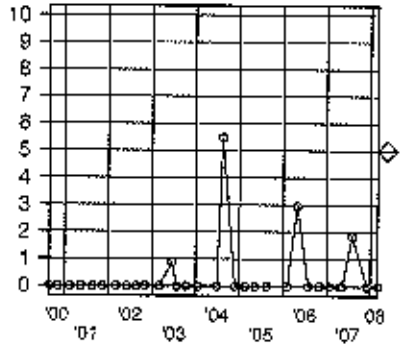
Source 7 of 7

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

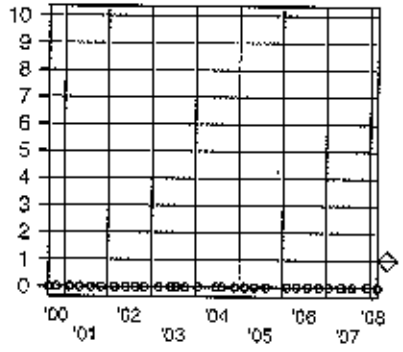
000052

05-20-2008 L:\DPW\ENVR_ab\Lab Data\MTech\Data\2567\2567.WSF

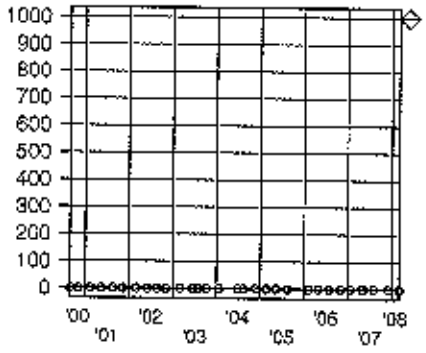
LEAD
(ug/L)



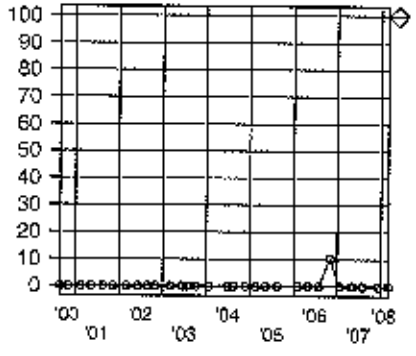
BENZENE
(ug/L)



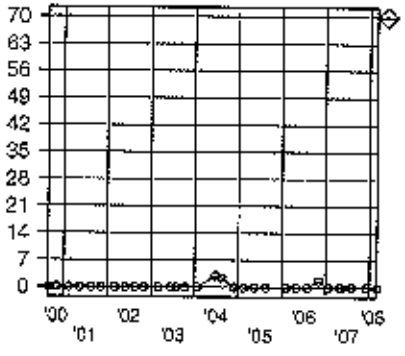
XYLENE
(ug/L)



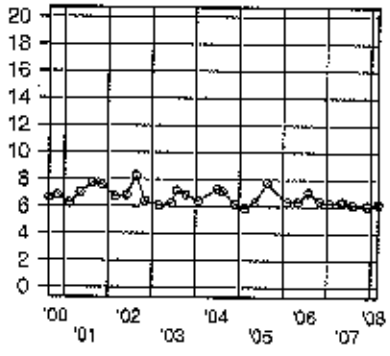
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 02/29/2008

LEGEND:

PARAMETER

◇ = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

050053

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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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8028704	2567MW01	29-26925	08/08/08
8028705	2567MW02	29-26926	08/08/08
8028706	2567MW03	29-26947	08/08/08
8028707	2567MW04	29-26948	08/08/08
8028708	2567MW05	29-31783	08/08/08
8028709	2567MW06	29-42585	08/08/08
8028710	2567MW07	29-42586	08/08/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer/Date: 8/22/08
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: 3RD QUARTER MONITOR WELL SAMPLING

Samplers Name / Company: WALTER FUNK / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Pb							Comments: Remarks / Preservation Method
80289.01	2567 TRIP BLANK	08-08-08	9:30	AQ	2	X								
.02	2567 FIELD BLANK	08-08-08	11:30	AQ	3	X	X							
.03	2567 DUP.	08-08-08	——	AQ	3	X	X							
.04	2567 * MW#01	08-08-08	13:00	AQ	3	X	X							29-26925
.05	2567 MW#02	08-08-08	11:40	AQ	4	X	X							29-26926
.06	2567 MW#03	08-08-08	13:30	AQ	3	X	X							29-26947
.07	2567 MW#04	08-08-08	12:00	AQ	3	X	X							2926948
.08	2567 MW#05	08-08-08	13:10	AQ	3	X	X							29-31783
.09	2567 MW#06	08-08-08	12:20	AQ	3	X	X							29-42585
.10	2567 MW#07	08-08-08	12:40	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	08/08/08 14:40	[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: ( )Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

000002

print legibly

COC.XLS7/8/2008

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.79 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.31 ft
(8.31) X .65 X 3 = 16.20
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: 11:45
pH 6.51 su — TEMP 23.52 °C
DISSOLVED O_2 1.06 mg/L — SPECIFIC CONDUCTIVITY 3457.0 µs/cm

PURGE END TIME: 12:59
pH 6.58 su — TEMP 23.67 °C
DISSOLVED O_2 1.06 mg/L — SPECIFIC CONDUCTIVITY 4004.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.99 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 13:00
pH 6.69 su — TEMP 23.98 °C
DISSOLVED O_2 0.54 mg/L — SPECIFIC CONDUCTIVITY 3953.0 µs/cm

SAMPLE END TIME: 13:00

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.40 ft
DEPTH OF WELL: 12.20 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: 10:25
pH 7.18 su — TEMP 22.04 °C
DISSOLVED O_2 1.27 mg/L — SPECIFIC CONDUCTIVITY 2308.0 µs/cm

PURGE END TIME: 11:35
pH 6.31 su — TEMP 22.79 °C
DISSOLVED O_2 2.62 mg/L — SPECIFIC CONDUCTIVITY 1797.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.09 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:40
pH 6.45 su — TEMP 22.84 °C
DISSOLVED O_2 0.76 mg/L — SPECIFIC CONDUCTIVITY 1827.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS: MS. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.06 ft
DEPTH OF WELL: 12.50 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 H2O 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: 12:15
pH 6.77 su — TEMP 23.27 °C
DISSOLVED O_2 1.98 mg/L — SPECIFIC CONDUCTIVITY 1029.0 µs/cm

PURGE END TIME: 13:29
pH 6.40 su — TEMP 22.95 °C
DISSOLVED O_2 2.09 mg/L — SPECIFIC CONDUCTIVITY 3540.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 6.15 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 13:30
pH 6.64 su — TEMP 22.80 °C
DISSOLVED O_2 0.57 mg/L — SPECIFIC CONDUCTIVITY 3791.0 µs/cm

SAMPLE END TIME: 13:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.37 ft
DEPTH OF WELL: 11.66 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 H2O 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: 10:42
pH 7.55 su — TEMP 20.31 °C
DISSOLVED O_2 3.41 mg/L — SPECIFIC CONDUCTIVITY 1084.0 µs/cm

PURGE END TIME: 11:56
pH 6.46 su — TEMP 20.42 °C
DISSOLVED O_2 1.42 mg/L — SPECIFIC CONDUCTIVITY 2131.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.48 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 12:00
pH 6.19 su — TEMP 20.33 °C
DISSOLVED O_2 1.16 mg/L — SPECIFIC CONDUCTIVITY 2088.0 µs/cm

SAMPLE END TIME: 12:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.76 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.99 ft
(6.99) X .65 X 3 = 13.63
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: 0.00 ppm

PURGE START TIME: 12:08
pH 6.79 su — TEMP 16.24 °C
DISSOLVED O_2 2.09 mg/L — SPECIFIC CONDUCTIVITY 916.0 µs/cm

PURGE END TIME: 13:09
pH 7.26 su — TEMP 17.17 °C
DISSOLVED O_2 3.06 mg/L — SPECIFIC CONDUCTIVITY 1422.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.66 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 13:10
pH 7.03 su — TEMP 16.92 °C
DISSOLVED O_2 2.32 mg/L — SPECIFIC CONDUCTIVITY 1028.0 µs/cm

SAMPLE END TIME: 13:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.00 ft
DEPTH OF WELL: 15.74 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.74 ft
(7.74) X .65 X 3 = 15.09
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: 11:10
pH 6.57 su — TEMP 16.58 °C
DISSOLVED O_2 5.34 mg/L — SPECIFIC CONDUCTIVITY 735.0 µs/cm

PURGE END TIME: 12:20
pH 6.45 su — TEMP 16.12 °C
DISSOLVED O_2 3.98 mg/L — SPECIFIC CONDUCTIVITY 777.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.54 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 12:20
pH 5.61 su — TEMP 15.91 °C
DISSOLVED O_2 1.37 mg/L — SPECIFIC CONDUCTIVITY 805.0 µs/cm

SAMPLE END TIME: 12:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 08/08/08
WEATHER: Sunny and warm
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.48 ft
DEPTH OF WELL: 16.50 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 H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:19
pH 6.09 su — TEMP 19.92 °C
DISSOLVED O_2 1.87 mg/L — SPECIFIC CONDUCTIVITY 1147.0 µs/cm

PURGE END TIME: 12:37
pH 6.16 su — TEMP 18.05 °C
DISSOLVED O_2 4.16 mg/L — SPECIFIC CONDUCTIVITY 1483.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.42 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:40
pH 6.20 su — TEMP 18.53 °C
DISSOLVED O_2 2.12 mg/L — SPECIFIC CONDUCTIVITY 1753.0 µs/cm

SAMPLE END TIME: 12:40

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	VA1709.D	Sample Name	MB 8/11/08
Operator	ROBERTS	Field ID	METHOD 624 8/11/08
Date Acquired	11 Aug 2008 10:15 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	0.20	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	
71-55-6	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	
124-48-1	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-Tetrachloroethane			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 07/Nov2005

Qualifiers

B = Compound found in related blank
E = Value above linear range
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.

MB 8/11/08

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: MB 8/11/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1709.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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	VA1736.D	Sample Name	MB 8/12/08
Operator	ROBERTS	Field ID	METHOD 624 8/12/08
Date Acquired	12 Aug 2008 4:03 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	0.20	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	2000	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	n/e	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	n/e	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	
124-48-1	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-Tetrachloroethane			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 8/12/08

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: MB 8/12/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1736.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/12/2008

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	VA1719.D	Sample Name	8028701
Operator	ROBERTS	Field ID	2567 TRIP BLANK
Date Acquired	11 Aug 2008 4:21 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	2.00	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	0.35	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	
71-55-6	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	
124-48-1	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-Tetrachloroethane			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.

2567 TRIP BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028701

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1719.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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	VA1720.D	Sample Name	8028702
Operator	ROBERTS	Field ID	2567 FIELD BLANK
Date Acquired	18 Aug 2008 4:54 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	2.67	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	
71-55-6	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	0.24	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	
124-48-1	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-Tetrachloroethane			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.
567 FIELD BLANI

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028702

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1720.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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	VA1725.D	Sample Name	8028703
Operator	ROBERTS	Field ID	2567 DUP
Date Acquired	11 Aug 2008 7:37 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	2.67	ug/L	10.00 ug/L	
107131	Acrylonitrile			not	detected	2	2.07	ug/L	10.00 ug/L	
75650	tert-Butyl alcohol	8.24	126635	134.66	ug/L	100	3.33	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.20	39529	1.19	ug/L	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	
71-55-6	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-Tetrachloroethane			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.

2567 DUP

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028703

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1725.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.52	3	J

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

Data File	VA1726.D	Sample Name	8028704
Operator	ROBERTS	Field ID	2567 MW#01
Date Acquired	11 Aug 2008 8:10 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	8.22	127967	136.16	ug/L	100	3.33	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.19	37149	1.12	ug/L	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	
71-55-6	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	
124-48-1	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-Tetrachloroethane			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.

2567 MW#01

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028704

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1726.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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	VA1727.D	Sample Name	8028705
Operator	ROBERTS	Field ID	2507 MW02
Date Acquired	11 Aug 2008 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	2.67	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	
124-48-1	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-Tetrachloroethane			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 PQLs 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.

2567 MW#02

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028705

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1727.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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: 2

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000075-18-3	Dimethyl sulfide	7.50	4	JN
2.		(DEL) Alkane: Branched	10.25	4	J

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

Data File	VA1728.D	Sample Name	8028706
Operator	ROBERTS	Field ID	2567 MW#03
Date Acquired	11 Aug 2008 9:15 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	8.24	25227	27.37	ug/L	100	3.33 ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.20	40397	1.24	ug/L	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	
124-48-1	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-Tetrachloroethane			not	detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	15.64	39228	1.51	ug/L	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.

2567 MW#03

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028706

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1728.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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: Branched	6.25	20	J
2. 000109-66-0	Pentane	6.54	10	JN
3.	(DEL) Alkane: Branched	7.61	47	J
4.	(DEL) Alkane: Branched	7.90	28	J
5.	(DEL) Alkane: Cyclic	8.94	41	J
6.	(DEL) Alkane: Cyclic	11.80	8	J
7.	C3 alkyl benzene	17.03	49	J
8.	C3 alkyl benzene	17.82	60	J
9.	C4 alkyl benzene	19.94	10	J
10. 000496-11-7	Indane	20.08	75	JN
11.	C4 alkyl benzene	20.84	20	J
12.	1H-Indene-dihydro-methyl	21.12	20	J
13.	C4 alkyl benzene	21.64	13	J
14.	1H-Indene-dihydro-methyl	22.24	14	J
15.	1H-Indene-dihydro-methyl	22.65	26	J

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

Data File	VA1729.D	Sample Name	80287007
Operator	ROBERTS	Field ID	2567 MW#04
Date Acquired	11 Aug 2008 9:48 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	
71-55-6	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	
124-48-1	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.

2567 MW#04

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80267

Matrix: (soil/water) WATER Lab Sample ID: 8028707

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1729.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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	VA1730.D	Sample Name	8028708
Operator	ROBERTS	Field ID	2567 MW#05
Date Acquired	11 Aug 2008 10:21 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	300	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	7.99	13716	12.42	ug/L	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	10.12	87132	67.65	ug/L	300	0.18 ug/L	2.00 ug/L	B
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	13.11	19009442	300.73	ug/L	1000	0.15 ug/L	2.00 ug/L	E
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	
124-48-1	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-Tetrachloroethane			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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VA1740.D	Sample Name	8028708 10X
Operator	ROBERTS	Field ID	2567 MW#05
Date Acquired	12 Aug 2008 6:13 pm	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	2.67	ug/L	100.00 ug/L	
107131	Acrylonitrile			not	detected	2	2.07	ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not	detected	100	3.33	ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not	detected	70	0.15	ug/L	20.00 ug/L	
108203	Di-Isopropyl ether			not	detected	20000	0.28	ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not	detected	1000	0.21	ug/L	20.00 ug/L	
74-87-3	Chloromethane			not	detected	nle	0.31	ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not	detected	1	0.29	ug/L	20.00 ug/L	
74-83-9	Bromomethane			not	detected	10	0.35	ug/L	20.00 ug/L	
75-00-3	Chloroethane			not	detected	nle	0.22	ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not	detected	2000	0.23	ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not	detected	1	0.20	ug/L	20.00 ug/L	
67-64-1	Acetone			not	detected	6000	0.16	ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not	detected	700	0.22	ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not	detected	3	0.23	ug/L	20.00 ug/L	
156 60-5	trans-1,2-Dichloroethene			not	detected	100	0.18	ug/L	20.00 ug/L	
75-35-3	1,1-Dichloroethane			not	detected	50	0.21	ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not	detected	7000	0.17	ug/L	20.00 ug/L	
78-93-3	2-Butanone	10.12	4977	42.96	ug/L	300	0.18	ug/L	20.00 ug/L	D
156-59-2	cis-1,2-Dichloroethene			not	detected	70	0.23	ug/L	20.00 ug/L	
67-66-3	Chloroform			not	detected	70	0.18	ug/L	20.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not	detected	30	0.22	ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not	detected	1	0.20	ug/L	20.00 ug/L	
71-43-2	Benzene			not	detected	1	0.19	ug/L	20.00 ug/L	
107-06-2	1,2-Dichloroethane			not	detected	2	0.22	ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not	detected	1	0.27	ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not	detected	1	0.16	ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not	detected	1	0.12	ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not	detected	nle	0.19	ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not	detected	1	0.15	ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not	detected	nle	0.20	ug/L	20.00 ug/L	
108-88-3	Toluene	13.10	1313360	217.80	ug/L	1000	0.15	ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not	detected	1	0.19	ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not	detected	3	0.20	ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not	detected	1	0.18	ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not	detected	nle	0.09	ug/L	20.00 ug/L	
126-48-1	Dibromochloromethane			not	detected	1	0.19	ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not	detected	50	0.16	ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not	detected	700	0.18	ug/L	20.00 ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			not	detected	1	0.18	ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not	detected	nle	0.31	ug/L	40.00 ug/L	
1330-20-7	o-Xylene			not	detected	nle	0.13	ug/L	20.00 ug/L	
100-42-5	Styrene			not	detected	100	0.17	ug/L	20.00 ug/L	
75-25-2	Bromoform			not	detected	4	0.30	ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not	detected	1	0.22	ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not	detected	600	0.17	ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not	detected	75	0.18	ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not	detected	600	0.18	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. 7:9C 07Nov2005

Qualifiers

B = Compound found in related Blank
J = Value above linear range
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.

2567 MW#05

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028708

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1730.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	9.81	4	J
2.	unknown ketone	19.58	6	J

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

Data File	VA1731.D	Sample Name	8028709
Operator	ROBERTS	Field ID	2567 MW#06
Date Acquired	11 Aug 2008 10:53 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	
108200	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	
124-48-1	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	0.13	ug/L	2.00	ug/L	
630-20-6	1,1,1,2-Tetrachloroethane			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.

2567 MW#06

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028709

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1731.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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	VA1732.D	Sample Name	8028710
Operator	ROBERTS	Field ID	2567 MW#07
Date Acquired	11 Aug 2008 11:26 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 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	
71-55-6	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-Tetrachloroethane			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.

2567 MW#07

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80287

Matrix: (soil/water) WATER Lab Sample ID: 8028710

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA1732.D

Level: (low/med) LOW Date Received: 8/8/2008

% Moisture: not dec. Date Analyzed: 8/11/2008

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

LEAD

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

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

Lab ID #: 80287
Sample Received: 08/08/08
Analysis Start: 08/19/08
Analysis Completed: 08/19/08

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
8028702	2567 Field Blank	ND	5.0	1.30	5.00
8028703	2567 Dup	ND	5.0	1.30	5.00
8028704	2567 MW#01	ND	5.0	1.30	5.00
8028705	2567 MW#02	ND	5.0	1.30	5.00
8028706	2567 MW#03	ND	5.0	1.30	5.00
8028707	2567 MW#04	ND	5.0	1.30	5.00
8028708	2567 MW#05	25.6	5.0	1.30	5.00
8028709	2567 MW#06	ND	5.0	1.30	5.00
8028710	2567 MW#07	ND	5.0	1.30	5.00
Method Blank	Method Blank	ND	5.0	1.30	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL = Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	890	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	10	-				-
06/14/1994	21st CEN	ND	ND	ND	120	68	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.60				V,Pb
08/26/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.25	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.51				V,Pb
05/15/2000	FMETL	ND	ND	ND	468.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1468.05	4.89	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	859.38	1.61	3.95				V, Pb
05/28/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
09/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/09/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05 .

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

0000040

08-22-2008 L:\DPW\ENVR_Last_Lap Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	186.42	1.78	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.45	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.08	2.08	3.60				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.65	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	142.19	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.46	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	86.33	0.46	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	861.42	40.16	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.59	3.47				V, Pb
01/15/2007	FMETL	ND	ND	ND	114.24	1.03	3.47				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	381.93	ND	3.45				V, Pb
12/04/2007	FMETL	ND	ND	ND	76.26	0.46	3.46				V, Pb
02/29/2008	FMETL	ND	ND	ND	138.73	0.57	3.13				V, Pb
04/23/2008	FMETL	ND	ND	ND	80.22	0.44	3.70				V, Pb
08/06/2008	FMETL	ND	ND	ND	136.16	1.12	4.79				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 08/06/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

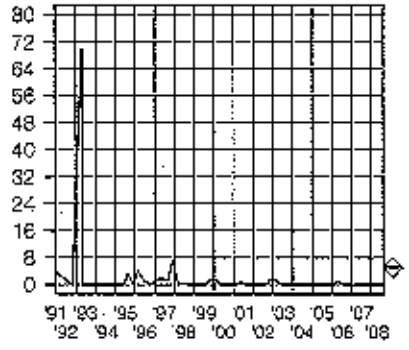
Source 1 of 7 (cont.)

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

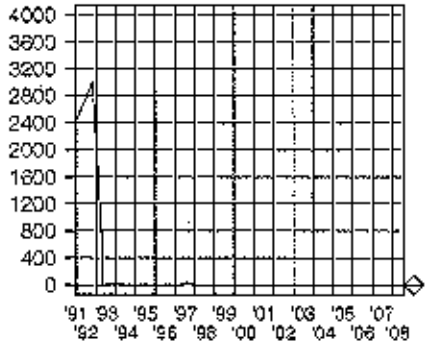
000041

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\VTechData\2567\2567.WSF

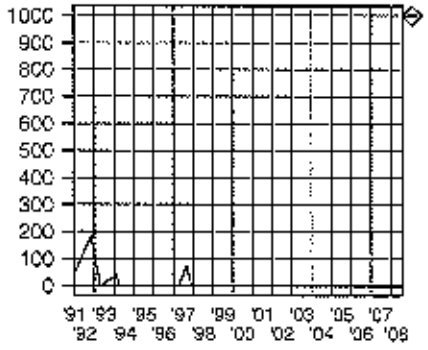
LEAD
(ug/L)



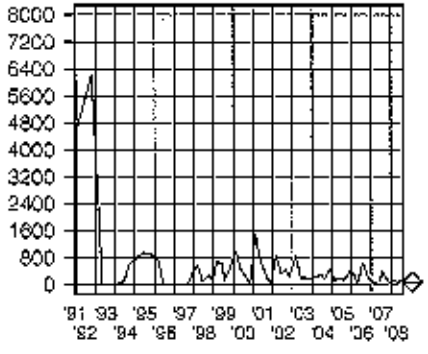
BENZENE
(ug/L)



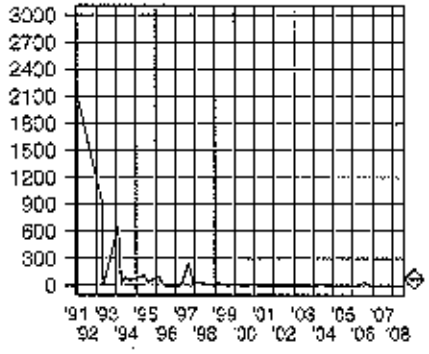
XYLENE
(ug/L)



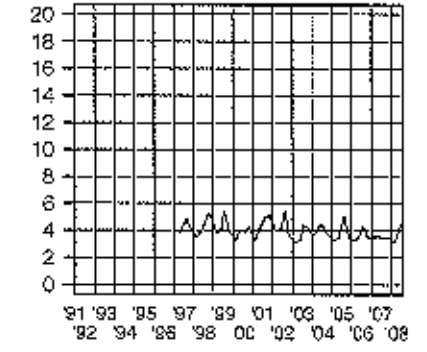
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 06/08/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000042

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/26/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.92				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.83				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/09/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	3.63				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/06/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

000043

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.56				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.35				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	3.75				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	3.17				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
04/23/2008	FMETL	1.35	ND	ND	ND	ND	3.53				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	4.40				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

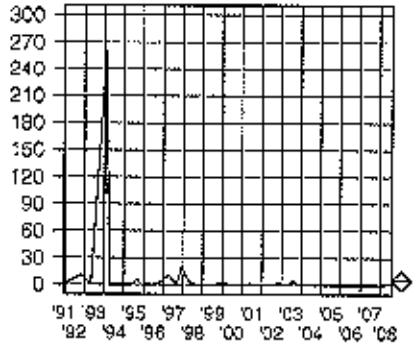
GW MONITORING
Bldg. 2567
Table / Graph A
Source 2 of 7 (cont.)

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

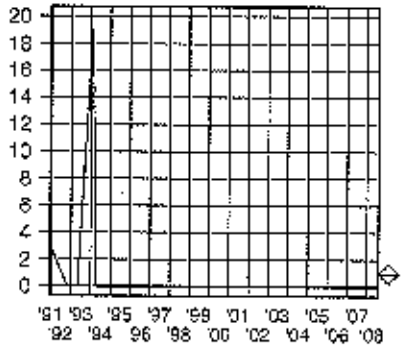
000044

08-22-2008 C:\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

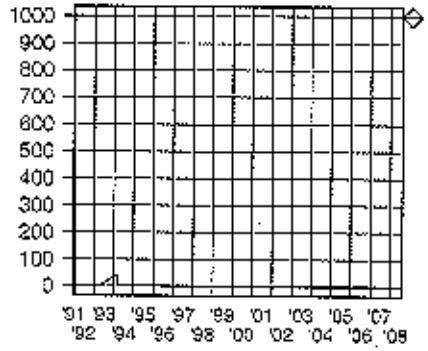
LEAD
(ug/L)



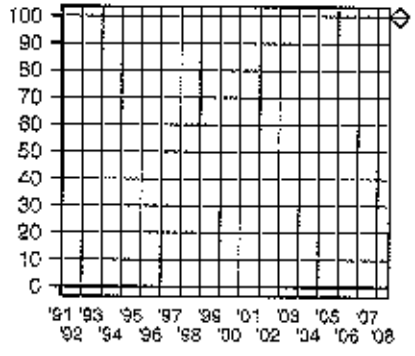
BENZENE
(ug/L)



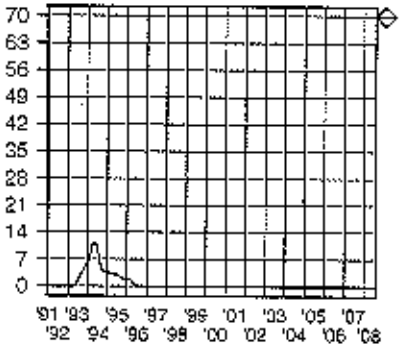
XYLENE
(ug/L)



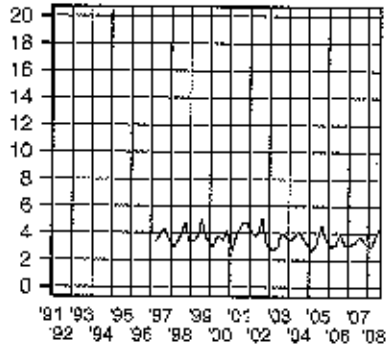
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 08/08/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000045

08-22-2008 L:\DPW\E\VG_LabData\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
05/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.36	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.06	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.98	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.08	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
08/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

000046

06-22-2009 L:\DPW\ENVR_Lab\Lab Data\VTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.38	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.63	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.88	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	9.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	45.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.68				V, Pb
01/18/2007	FMETL	ND	ND	0.69	51.05	3.75	2.76				V, Pb
05/08/2007	FMETL	ND	ND	4.13	ND	ND	2.85				V, Pb
07/30/2007	FMETL	0.780	ND	ND	71.53	ND	2.88				V, Pb
12/04/2007	FMETL	ND	0.14	0.46	24.36	0.62	2.77				V, Pb
02/29/2008	FMETL	ND	ND	ND	29.04	1.10	2.64				V, Pb
04/23/2008	FMETL	ND	ND	0.92	49.26	1.46	2.97				V, Pb
08/06/2008	FMETL	ND	ND	1.51	27.37	1.24	4.06				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/06/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

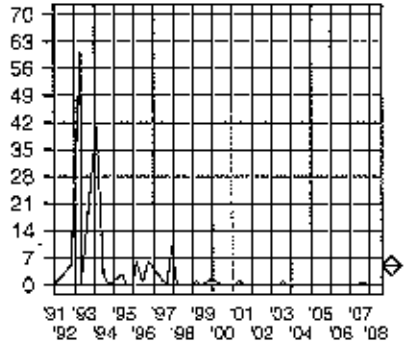
GW MONITORING
Bldg. 2567
Table / Graph A
Source 3 of 7 (cont.)

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

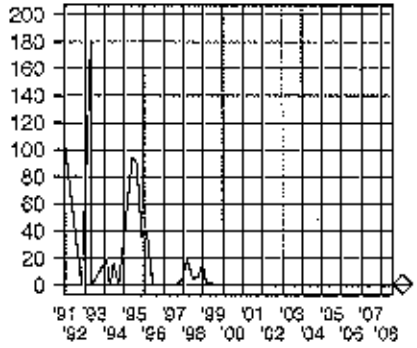
000047

08-22-2008 L:\CPWIE\VB_Lab\Lab Data\MTechData\2567\2567.WSF

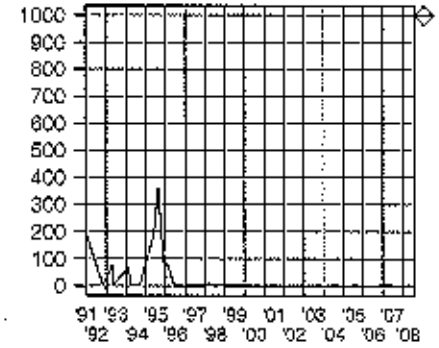
LEAD
(ug/L)



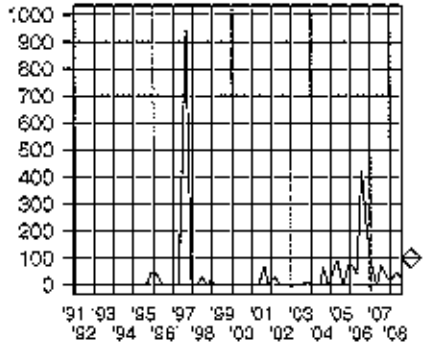
BENZENE
(ug/L)



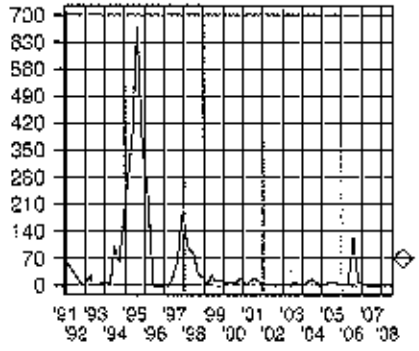
XYLENE
(ug/L)



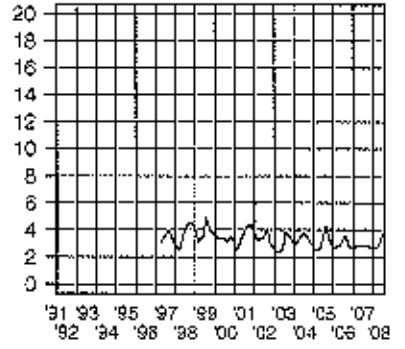
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 08/08/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

000048

09-22-2008 ..\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
03/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	3.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.65				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.53				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

000049

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WST

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.62				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.05				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/18/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/26/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
07/30/2007	FMETL	2.04	ND	ND	ND	ND	1.93				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	1.87				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.01				V, Pb
04/23/2008	FMETL	ND	ND	ND	ND	ND	2.41				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	3.37				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

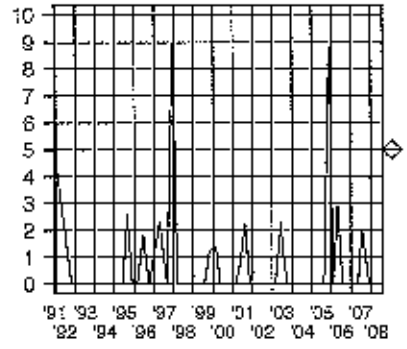
GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7 (cont.)

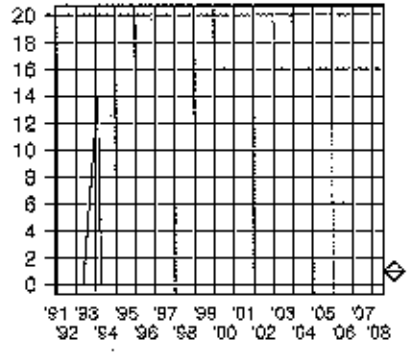
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000050

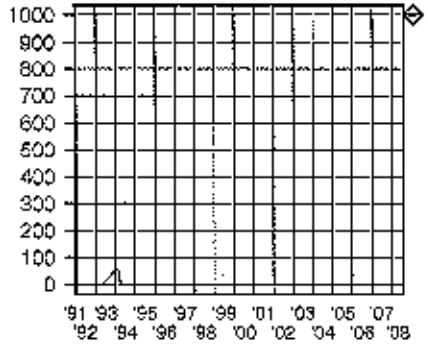
LEAD
(ug/L)



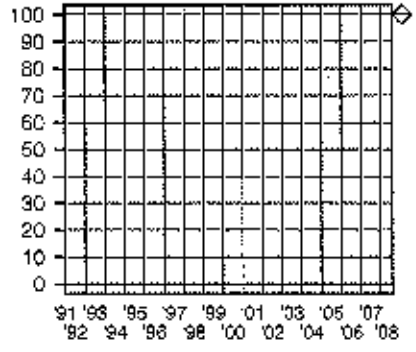
BENZENE
(ug/L)



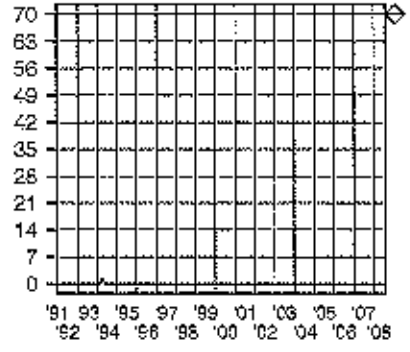
XYLENE
(ug/L)



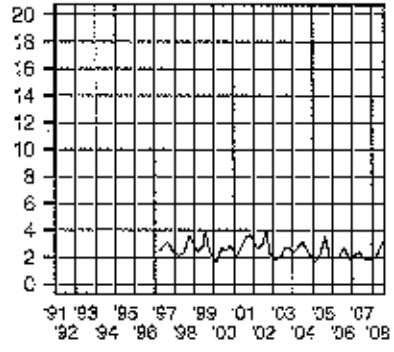
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 08/08/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

000051

05-22-2008 _:\DPW\ENVR_Lab\Lab Data\VTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	1.0	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	6.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	8.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.58				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7

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

250052

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\MTechDat\2567\2567.WST

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	8.47	ND	ND	ND	ND	6.93				V, Pb
07/30/2007	FMETL	11.0	ND	ND	ND	ND	5.84				V, Pb
12/04/2007	FMETL	5.32	ND	ND	ND	ND	6.33				V, Pb
02/29/2008	FMETL	3.24	ND	ND	ND	ND	6.53				V, Pb
04/23/2008	FMETL	8.12	ND	ND	ND	ND	7.02				V, Pb
08/08/2008	FMETL	25.6	ND	ND	ND	ND	7.76				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

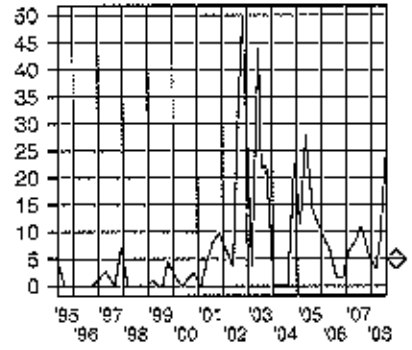
Source 5 of 7 (cont.)

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

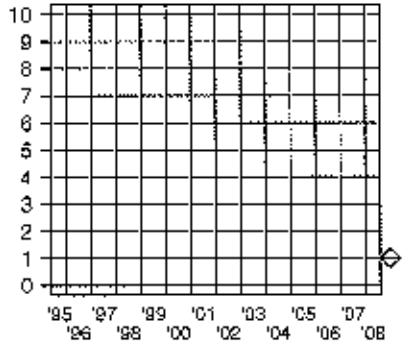
000053

08-22-2008 L:\DPW\ENVR_as\Lab Data\MTech\Data\2567\2567.WSF

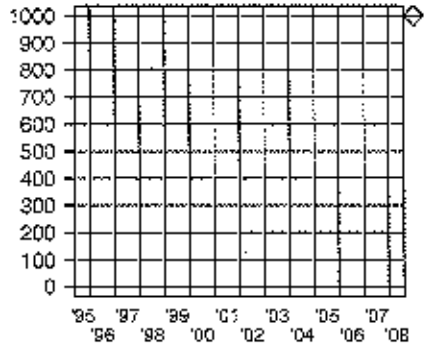
LEAD
(ug/L)



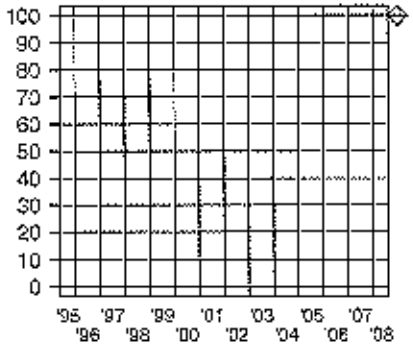
BENZENE
(ug/L)



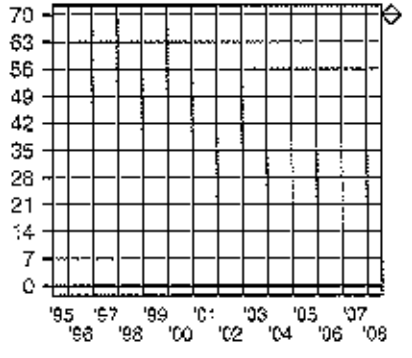
XYLENE
(ug/L)



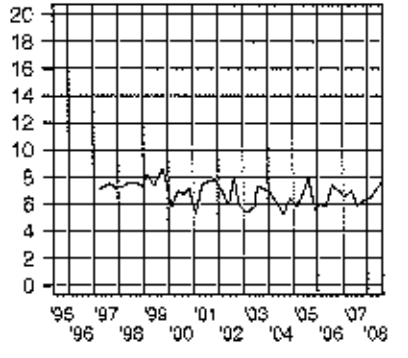
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 08/06/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7, Graph

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

000054

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WS*

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
09/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/06/2007	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	6.35				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.27				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.22				V, Pb
04/23/2008	FMETL	ND	ND	ND	ND	ND	6.57				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	8.00				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 08/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

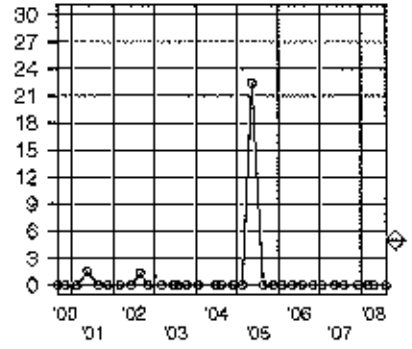
Source 6 of 7

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

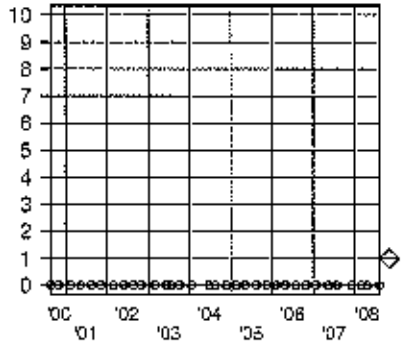
000055

08-22-2008 L:\DFW\ENVR_Lab_ac Data\MTechData\2567\2567.WSF

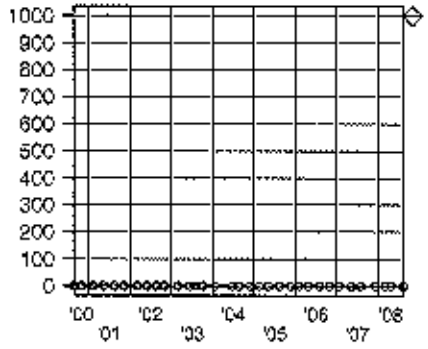
LEAD
(ug/L)



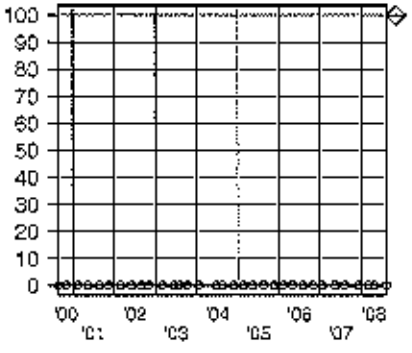
BENZENE
(ug/L)



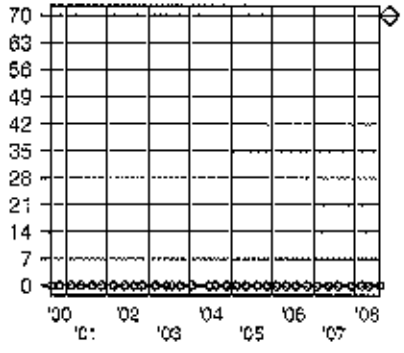
XYLENE
(ug/L)



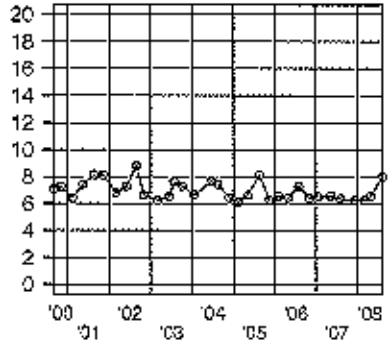
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 08/08/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

950006

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WST

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1,000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	8.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
06/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.96	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
04/23/2007	FMETL	ND	ND	ND	ND	ND	6.32				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb
07/30/2007	FMETL	1.86	ND	ND	ND	ND	6.11				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.08				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.18				V, Pb
05/08/2008	FMETL	ND	ND	ND	ND	ND	7.48				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 05/08/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

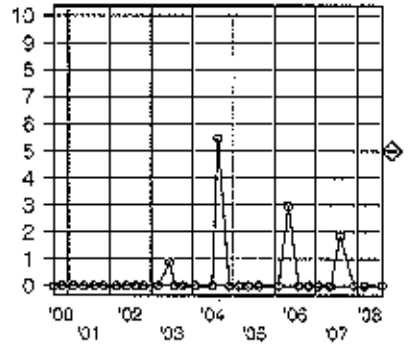
FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A
Source 7 of 7

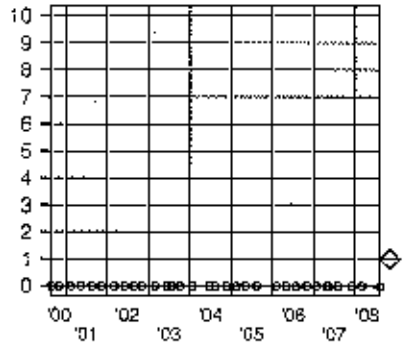
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000057

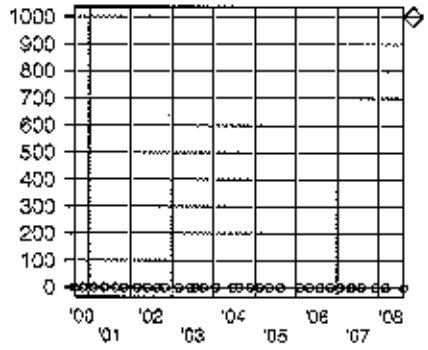
LEAD
(ug/L)



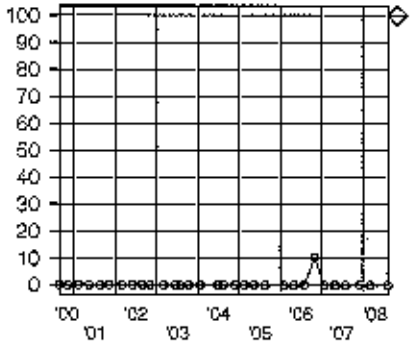
BENZENE
(ug/L)



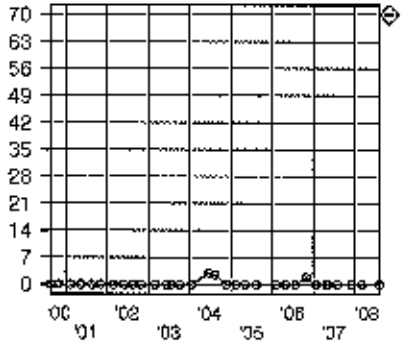
XYLENE
(ug/L)



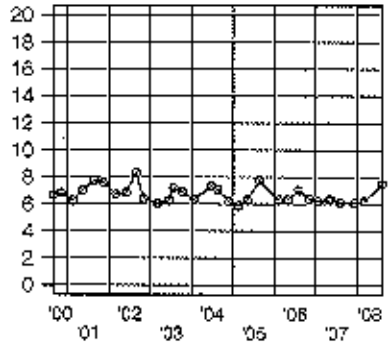
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 08/06/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

250000

08-22-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WST

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/UST
Monitoring Program

SAMPLE LOCATION AND IDENTIFICATION

SITE: Bldg. 2567

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
8040104	2567MW01	29-26925	11/04/08
8040105	2567MW02	29-26926	11/04/08
8040106	2567MW03	29-26947	11/04/08
8040107	2567MW04	29-26948	11/04/08
8040108	2567MW05	29-31783	11/04/08
8040109	2567MW06	29-42585	11/04/08
8040110	2567MW07	29-42586	11/04/08

NJDEP Laboratory Certification # 13461

Jacqueline Hamer/Date: 12/2/08
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: 4TH QUARTER MONITOR WELLSAMPLING
Samplers Name / Company: WALTER FUNK / TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+IS	Pb							Comments: Remarks / Preservation Method
80401.01	2567 TRIP BLANK	11-4-08	8:30	AQ	2	X								
.02	2567 FIELD BLANK	11-4-08	10:20	AQ	3	X	X							
.03	2567 DUP.	11-4-08	——	AQ	3	X	X							
.04	2567 MW#01*	11-4-08	11:10	AQ	3	X	X							29-26925
.05	2567 MW#02	11-4-08	10:30	AQ	3	X	X							29-26926
.06	2567 MW#03	11-4-08	12:40	AQ	5	X	X							29-26947
.07	2567 MW#04	11-4-08	12:10	AQ	3	X	X							29-26948
.08	2567 MW#05	11-4-08	11:30	AQ	3	X	X							29-31783
.09	2567 MW#06	11-4-08	11:20	AQ	3	X	X							29-42585
.10	2567 MW#07	11-4-08	11:40	AQ	3	X	X							29-42586

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Walter Funk	11/4/08 13:46				
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 __Wk., ( )ASAP Verbal ____Hrs.

Remarks:

print legibly

Page 1 of 1

new coc.XLS9/29/2008

000003

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW01
NJDEP ID #: 29-26925
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.92 ft
DEPTH OF WELL: 13.10 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.18 ft
(9.18) X .65 X 3 = 17.90
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: 09:50
pH 6.48 su — TEMP 18.65 °C
DISSOLVED O_2 2.48 mg/L — SPECIFIC CONDUCTIVITY 6808.0 µs/cm

PURGE END TIME: 11:08
pH 6.62 su — TEMP 18.68 °C
DISSOLVED O_2 2.75 mg/L — SPECIFIC CONDUCTIVITY 6671.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.23 ft
(SAMPLING METHOD: DEDICATED (JAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 1110
pH 6.77 su — TEMP 18.57 °C
DISSOLVED O_2 1.07 mg/L — SPECIFIC CONDUCTIVITY 6866.0 µs/cm

SAMPLE END TIME: 11:10

COMMENTS: DUP. HERE.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW02
NJDEP ID #: 29-26926
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.78 ft
DEPTH OF WELL: 12.20 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: 09:15
pH 6.47 su — TEMP 18.89 °C
DISSOLVED O_2 1.52 mg/L — SPECIFIC CONDUCTIVITY 3425.0 µs/cm

PURGE END TIME: 10:29
pH 6.29 su — TEMP 19.27 °C
DISSOLVED O_2 1.78 mg/L — SPECIFIC CONDUCTIVITY 3611.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 4.54 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:30
pH 6.39 su — TEMP 19.25 °C
DISSOLVED O_2 1.02 mg/L — SPECIFIC CONDUCTIVITY 3672.0 µs/cm

SAMPLE END TIME: 10:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW03
NJDEP ID #: 29-26947
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and coo..
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.20 ft
DEPTH OF WELL: 12.50 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 H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 11:18
pH 7.16 su
DISSOLVED O_2 3.44 mg/L
TEMP 18.60 °C
SPECIFIC CONDUCTIVITY 1647.0 µs/cm

PURGE END TIME: 12:36
pH 6.46 su
DISSOLVED O_2 2.21 mg/L
TEMP 18.85 °C
SPECIFIC CONDUCTIVITY 5473.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 5.03 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON @ BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:40
pH 6.88 su
DISSOLVED O_2 1.54 mg/L
TEMP 18.84 °C
SPECIFIC CONDUCTIVITY 5597.0 µs/cm

SAMPLE END TIME: 12:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW04
NJDEP ID #: 29-26948
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 2.44 ft
DEPTH OF WELL: 11.66 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.22 ft
(9.22) X .65 X 3 = 17.97
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:49
pH 6.68 su — TEMP 16.48 °C
DISSOLVED O_2 5.48 mg/L — SPECIFIC CONDUCTIVITY 1492.0 µs/cm

PURGE END TIME: 12:07
pH 6.08 su — TEMP 16.62 °C
DISSOLVED O_2 2.84 mg/L — SPECIFIC CONDUCTIVITY 3872.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 3.31 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:10
pH 5.86 su — TEMP 16.44 °C
DISSOLVED O_2 1.21 mg/L — SPECIFIC CONDUCTIVITY 3976.0 µs/cm

SAMPLE END TIME: 12:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW05
NJDEP ID #: 29-31783
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.09 ft
DEPTH OF WELL: 14.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.66 ft
(7.66) X .65 X 3 = 14.93
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: 10:19
pH 5.97 su
DISSOLVED O_2 2.27 mg/L
TEMP 14.74 °C
SPECIFIC CONDUCTIVITY 1125.0 µs/cm

PURGE END TIME: 11:24
pH 5.97 su
DISSOLVED O_2 2.51 mg/L
TEMP 15.15 °C
SPECIFIC CONDUCTIVITY 1195.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.97 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 11:30
pH 6.11 su
DISSOLVED O_2 0.58 mg/L
TEMP 15.02 °C
SPECIFIC CONDUCTIVITY 1183.0 µs/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW06
NJDEP ID #: 29-42585
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.77 ft
DEPTH OF WELL: 15.74 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: 0.00 ppm

PURGE START TIME: 09:59
pH 6.33 su
DISSOLVED O_2 6.66 mg/L
TEMP 14.67 °C
SPECIFIC CONDUCTIVITY 1990.0 µs/cm

PURGE END TIME: 11:17
pH 6.25 su
DISSOLVED O_2 3.70 mg/L
TEMP 14.71 °C
SPECIFIC CONDUCTIVITY 1939.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 8.87 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM Aug 2005) TEFLON @ BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:20
pH 5.45 su
DISSOLVED O_2 1.30 mg/L
TEMP 14.41 °C
SPECIFIC CONDUCTIVITY 1955.0 µs/cm

SAMPLE END TIME: 11:20

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 2567
MW#: 2567MW07
NJDEP ID #: 29-42586
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Walter Funk
DATE: 11/04/08
WEATHER: Sunny and cool
TIDE: N/A

LNAPLs: N
DNAPLs :N
ELEV. OF INNER CASING SURVEY MARK: N/Aft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.45 ft
DEPTH OF WELL: 16.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.05 ft
(10.05) X .65 X 3 = 19.59
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF >0.5 TO <5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.00 ppm

PURGE START TIME: 10:09
pH 5.86 su
DISSOLVED O_2 3.61 mg/L

TEMP 15.37 °C
SPECIFIC CONDUCTIVITY 1898.0 µs/cm

PURGE END TIME: 11:36
pH 6.27 su
DISSOLVED O_2 2.54 mg/L

TEMP 15.96 °C
SPECIFIC CONDUCTIVITY 2648.0 µs/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.70 ft
(SAMPLING METHOD: DEDICATED (IAW NJDEP FSPM Aug 2005) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:40
pH 6.34 su
DISSOLVED O_2 1.11 mg/L

TEMP 15.95 °C
SPECIFIC CONDUCTIVITY 2721.0 µs/cm

SAMPLE END TIME: 11:40

COMMENTS:

VOLATILE ORGANIC

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	VA2355.D	Sample Name	MB 11/5/08
Operator	ROBERTS	Field ID	METHOD 624 11/5/08
Date Acquired	5 Nov 2008 9:50 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 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-Tetrachloroethane			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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11/6/2008 7:38 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB 11/5/08

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: MB 11/5/08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2355.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2356.D	Sample Name	8040101
Operator	ROBERTS	Field ID	2567 TRIP BLANK
Date Acquired	5 Nov 2008 10:23 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	2.67	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	600	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	
71-55-6	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	
124-48-1	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-Tetrachloroethane			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.

2567 TRIP BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040101

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2356.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2357.D	Sample Name	8040102
Operator	ROBERTS	Field ID	2567 FIELD BLANK
Date Acquired	5 Nov 2008 10:55 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	
124-48-1	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-Tetrachloroethane			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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11/6/2008 7:40 AM

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

8567 FIELD BLANK

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2357.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2358.D	Sample Name	8040103
Operator	ROBERTS	Field ID	2507 DUP
Date Acquired	5 Nov 2008 11:30 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	2.67	ug/L	10.00 ug/L	
107131	Acrylonitrile			not	detected	2	2.07	ug/L	10.00 ug/L	
75650	tert-Butyl alcohol	8.73	223056	359.60	ug/L	100	3.33	ug/L	10.00 ug/L	
1634044	Methyl-tert-Butyl ether	8.72	16272	0.75	ug/L	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	2000	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	
71-55-6	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	
124-48-1	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-Tetrachloroethane			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.

2567 DUP

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040103

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2358.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2359.D	Sample Name	8040104
Operator	ROBERTS	Field ID	2507 MW#01
Date Acquired	5 Nov 2008 12:03 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	8.74	210984	355.01	ug/L	100	3.33	ug/L	10.00	ug/L	
1634044	Methyl-tert-Butyl ether	8.74	15244	0.71	ug/L	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	0.20	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	
75-34-3	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	3	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	
124-48-1	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-Tetrachloroethane			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.

2567 MW#01

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040104

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2359.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2360.D	Sample Name	8040105
Operator	ROBERTS	Field ID	2567 MW#02
Date Acquired	5 Nov 2008 12:36 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	5	2.67 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-Dichloropropene			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	
124-48-1	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-Tetrachloroethane			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.

2567 MW#02

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2360.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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: 2

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000496-11-7	Indane	20.77	10	JN
2.		1H-Indene-dihydro-methyl	23.39	5	J

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

Data File	VA2366.D	Sample Name	8040106
Operator	ROBERTS	Field ID	2567 MW#03
Date Acquired	5 Nov 2008 4:12 pm	Sample Multiplier	1

CAS#	Compound Name	RT	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	8.73	20705	0.92	ug/L	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	0.38 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	11.11	7236	0.21	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			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	
124-48-1	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-Tetracholorethane			not	detected	1	0.18 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	16.37	14834	0.84	ug/L	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
NLL = No Limit Established
RT = Retention Time
R.L. = Reporting Limit

000025

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#03

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040106

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2366.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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: 10

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.		Alkane: Branched	6.69	13	J
2.	000109-66-0	Pentane	7.00	6	JN
3.		Alkane: Branched	8.14	23	J
4.		Alkene: Straight-Chain	8.23	5	J
5.		Alkane: Branched	8.44	15	J
6.		Alkane: Cyclic	9.52	27	J
7.		C3 alkyl benzene	17.76	10	J
8.	000103-65-1	Benzene, propyl-	18.54	10	JN
9.	000496-11-7	Indane	20.77	15	JN
10.		1H-Indene-dihydro-methyl	23.39	4	J

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

Data File	VA2367.D	Sample Name	8040107
Operator	ROBERTS	Field ID	2567 MW#04
Date Acquired	5 Nov 2008 4:46 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	
124-48-1	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-Tetrachloroethane			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 07Nov2008

Qualifiers

B = Compound found in related blank
E = Value above linear range
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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11/6/2008 7:42 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#04

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040107

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2367.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2361.D	Sample Name	80-40108
Operator	ROBERTS	Field ID	2567 MW#08
Date Acquired	5 Nov 2008 1:09 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	
124-48-1	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-Tetrachloroethane			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 Criterion 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.

2567 MW#05

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040108

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2361.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2368.D	Sample Name	8040109
Operator	ROBERTS	Field ID	2567 MW#06
Date Acquired	5 Nov 2008 5:24 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result		Regulatory Level (ug/l)*	MDL		RL	Qualifiers
107028	Acrolein			not	detected	5	2.67	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	38000	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	
71-55-6	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	
124-48-1	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-Tetrachloroethane			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 PQLs 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

000031

C:\HPCHEM\Custrpt\Volatile\2007\624FY08.CRT

11/6/2008 7:44 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#06

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040109

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2368.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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	VA2369.D	Sample Name	8040110
Operator	ROBERTS	Field ID	2567 MW#07
Date Acquired	5 Nov 2008 5:57 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	3	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	
124-48-1	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-Tetrachloroethane			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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\081105\VA2369.D Vial: 18
Acq On : 5 Nov 2008 5:57 pm Operator: ROBERTS
Sample : 8040110 Inst : GC/MS Ins
Misc : 2567 MW#07 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Nov 6 7:35 2008 Quant Results File: MA40.RES

Quant Method : C:\HPCHEM\1\METHODS\MA40.M (RTE Integrator)
Title : Volatile Organics by GC/MS Method 624/8260/TCLP
Last Update : Fri Oct 24 07:56:49 2008
Response via : Initial Calibration
DataAcq Meth : MA40

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.30	49	164956	30.00	ug/L	0.00
26) 1,4-Difluorobenzene	11.78	114	772697	30.00	ug/L	0.00
37) Chlorobenzene-d5	16.12	82	424799	30.00	ug/L	-0.02
System Monitoring Compounds						
25) 1,2-Dichloroethane-d4	11.26	65	240628	35.40	ug/L	0.00
Spiked Amount 30.000	Range 70 - 125		Recovery = 118.00%			
35) Toluene-d8	13.66	98	880219	30.20	ug/L	0.00
Spiked Amount 30.000	Range 70 - 125		Recovery = 100.67%			
50) 4-Bromofluorobenzene	18.36	95	407533	29.91	ug/L	0.00
Spiked Amount 30.000	Range 70 - 125		Recovery = 99.70%			

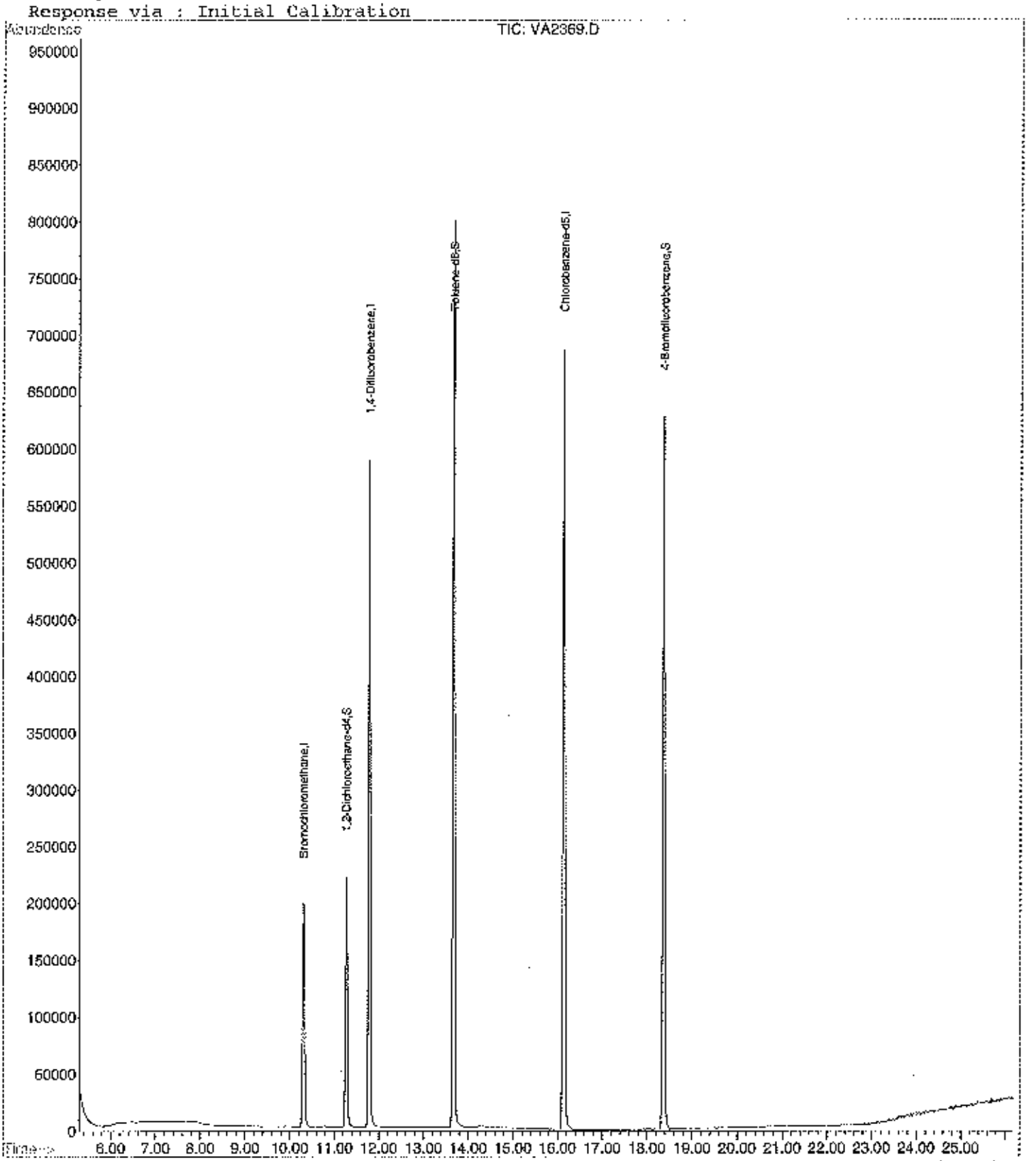
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081105\VA2369.D Vial: 18
Acq On : 5 Nov 2008 5:57 pm Operator: ROBERTS
Sample : 8040110 Inst : GC/MS Ins
Misc : 2567 MW#07 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Nov 6 7:35 2008 Quant Results File: MA40.RES

Method : C:\HPCHEM\1\METHODS\MA40.M (RTE Integrator)
Title : Volatile Organics by GC/MS Method 624/8260/TCLP
Last Update : Fri Oct 24 07:56:49 2008
Response via : Initial Calibration



1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2567 MW#07

Lab Name: FMETL Contract:

Lab Code: 13461 Case No.: MW SAS No.: SDG No.: 80401

Matrix: (soil/water) WATER Lab Sample ID: 8040110

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA2369.D

Level: (low/med) LOW Date Received: 11/4/2008

% Moisture: not dec. Date Analyzed: 11/5/2008

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

LEAD

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

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

Lab ID #: 80401
Sample Received: 11/04/08
Analysis Start: 11/17/08
Analysis Completed: 11/17/08

Site: Ft. Monmouth
2567 Wells

Matrix: Aqueous

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: E.P.A SW-846, Method 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	MDL (ug/L)	RL (ug/L)
8040102	2567 Field Blank	ND	5.0	1.30	5.00
8040103	2567 Dup	ND	5.0	1.30	5.00
8040104	2567 MW#01	ND	5.0	1.30	5.00
8040105	2567 MW#02	ND	5.0	1.30	5.00
8040106	2567 MW#03	ND	5.0	1.30	5.00
8040107	2567 MW#04	ND	5.0	1.30	5.00
8040108	2567 MW#05	8.21	5.0	1.30	5.00
8040109	2567 MW#06	ND	5.0	1.30	5.00
8040110	2567 MW#07	ND	5.0	1.30	5.00
Method Blank	Method Blank	ND	5.0	1.30	5.00

ND – Not Detected, NA – Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9c 11/07/05
RL – Reporting Limit.

LTM

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	4	2400	42	4400	2200	-				-
10/26/1992	ENV PRO	ND	2800	302	5400	1200	-				-
10/26/1992D	ENV PRO	ND	3200	57	7000	1500	-				-
04/21/1993	21st CEN	70	520	ND	470	880	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	21	41	28	650	-				-
03/31/1994	21st CEN	ND	ND	ND	22	19	-				-
06/14/1994	21st CEN	ND	ND	ND	120	86	-				-
09/15/1994	21st CEN	ND	ND	ND	600	56	-				-
05/25/1995	EMSL	ND	ND	ND	930	110	-				-
08/15/1995	EMSL	3.3	ND	ND	930	29	-				-
11/21/1995	EMSL	ND	ND	ND	860	80	-				-
02/20/1996	EMSL	4	ND	ND	780	100	-				-
06/13/1996	FMETL	1.2	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	1.8	ND	ND	ND	ND	3.80				V,Pb
08/28/1997	FMETL	1.4	39.4	72.7	ND	240	4.80				V,Pb
12/02/1997	FMETL	7.0	ND	ND	357	20.3	3.90				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	560	37	3.51				V,S,P,M
06/01/1998	FMETL	0.5	ND	ND	95.63	24.23	4.06				V,Pb
09/24/1998	FMETL	ND	ND	ND	283	10.02	5.21				V,Pb
12/09/1998	FMETL	ND	ND	ND	143.26	3.43	4.90				V,Pb
02/24/1999	FMETL	ND	ND	ND	675	26.15	3.75				V,Pb
05/29/1999	FMETL	ND	ND	ND	605.1	9.16	4.20				V,Pb
07/21/1999	FMETL	ND	ND	ND	155.56	3.33	5.48				V,Pb
10/21/1999	FMETL	1.3	ND	ND	497.3	4.8	4.03				V,Pb
02/14/2000	FMETL	1.31	ND	ND	992	8.2	3.31				V,Pb
05/15/2000	FMETL	ND	ND	ND	458.88	5.24	4.04				V,Pb
08/22/2000	FMETL	ND	ND	ND	218.42	1.20	3.87				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	15.04	4.24				V,Pb
11/01/2000D	FMETL	ND	ND	ND	ND	15.33	4.24				V,Pb
02/09/2001	FMETL	ND	ND	ND	1458.05	4.83	3.30				V,Pb
05/08/2001	FMETL	0.93	ND	ND	764.25	2.10	4.15				V, Pb
08/15/2001	FMETL	ND	ND	ND	248.74	ND	4.95				V, Pb
08/15/2001D	FMETL	ND	ND	ND	457.64	1.54	4.95				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	1.09	5.11				V, Pb
02/26/2002	FMETL	ND	ND	ND	659.38	1.61	3.95				V, Pb
05/26/2002	FMETL	ND	ND	ND	331.75	ND	4.09				V, Pb
08/20/2002	FMETL	ND	ND	ND	441.16	ND	5.45				V, Pb

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7

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

000040

12-02-2008 LAD:PW:ENVR_Lab:Lab Data:MTechData:2567:2567.WQ5

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
10/29/2002	FMETL	1.22	ND	ND	259.69	ND	3.62				V, Pb
02/26/2003	FMETL	1.40	ND	ND	828.6	2.05	3.11				V, Pb
06/11/2003	FMETL	ND	ND	ND	166.42	1.76	3.35				V, Pb
07/22/2003	FMETL	ND	ND	ND	205.86	1.93	4.39				V, Pb
10/07/2003	FMETL	ND	ND	ND	175.48	ND	4.23				V, Pb
01/16/2004	FMETL	ND	ND	ND	224.06	2.08	3.60				V, Pb
06/22/2004	FMETL	ND	ND	ND	283.26	7.79	4.51				V, Pb
08/12/2004	FMETL	ND	ND	ND	150.66	2.75	4.11				V, Pb
11/24/2004	FMETL	ND	ND	ND	478.49	0.72	3.54				V, Pb
02/11/2005	FMETL	ND	ND	ND	128.03	ND	3.29				V, Pb
05/06/2005	FMETL	ND	ND	ND	200.1	ND	3.50				V, Pb
08/16/2005	FMETL	ND	ND	ND	142.19	ND	5.01				V, Pb
11/17/2005	FMETL	ND	ND	ND	377.47	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	331.45	1.68	3.30				V, Pb
04/26/2006	FMETL	1.16	ND	ND	66.33	0.45	3.43				V, Pb
07/26/2006	FMETL	ND	ND	ND	661.42	40.15	4.25				V, Pb
10/31/2006	FMETL	ND	ND	ND	224.72	1.53	3.47				V, Pb
01/18/2007	FMETL	ND	ND	ND	114.24	1.06	3.47				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	381.93	ND	3.45				V, Pb
12/04/2007	FMETL	ND	ND	ND	76.26	0.46	3.46				V, Pb
02/29/2008	FMETL	ND	ND	ND	138.73	0.57	3.13				V, Pb
04/23/2008	FMETL	ND	ND	ND	80.22	0.44	3.70				V, Pb
08/08/2008	FMETL	ND	ND	ND	136.16	1.12	4.79				V, Pb
11/04/2008	FMETL	ND	ND	ND	355.01	0.71	3.92				V, PB

SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

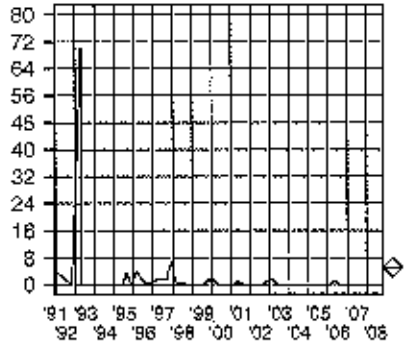
Source 1 of 7 (cont.)

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

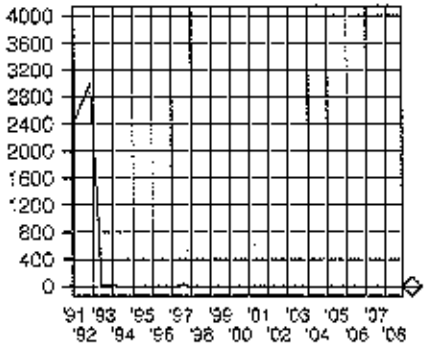
000041

12-02-2008 L:\DPW\ENVP_Lab\Lab Data\MTechData\2567\2567.WSF

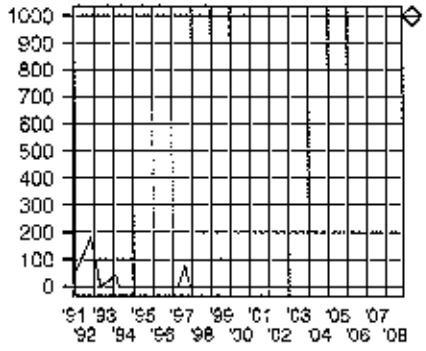
LEAD
(ug/L)



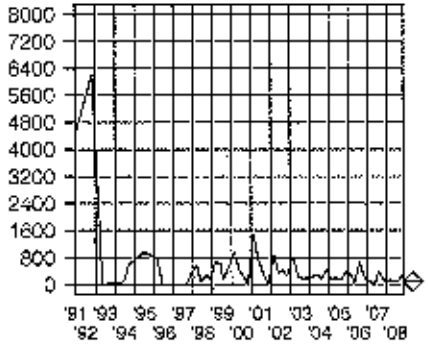
BENZENE
(ug/L)



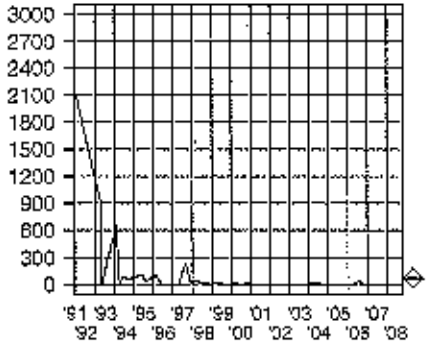
XYLENE
(ug/L)



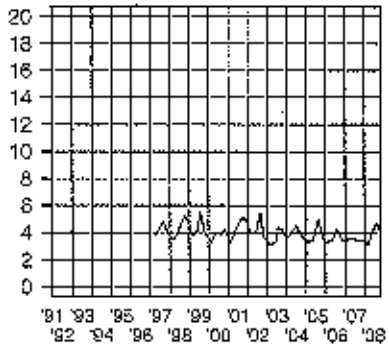
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW01

Sampling Dates:
12/10/1991 - 11/04/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 1 of 7, Graph

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

12-02-2008 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

000042

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	3	ND	ND	ND	-				-
10/26/1992	ENV PRO	11	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	2.0	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	260	19	43	ND	7.0	-				-
03/31/1994	21st CEN	ND	ND	2.5	ND	11	-				-
06/14/1994	21st CEN	ND	ND	3.0	ND	11	-				-
09/15/1994	21st CEN	ND	ND	5.5	ND	4.1	-				-
05/25/1995	EMSL	ND	ND	6.5	ND	3.1	-				-
08/15/1995	EMSL	5.6	ND	5.3	ND	2.5	-				-
11/21/1995	EMSL	ND	ND	3.6	ND	1.6	-				-
02/20/1996	EMSL	ND	ND	4.2	ND	2	-				-
06/13/1996	FMETL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	1.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	10.7	ND	ND	ND	ND	3.40				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	4.30				V,Pb
12/02/1997	FMETL	20	ND	ND	ND	ND	3.45				V,S,P,M
03/04/1998	FMETL	8.0	ND	ND	ND	ND	2.82				V,S,P,M
06/01/1998	FMETL	1.4	ND	ND	ND	ND	3.59				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	4.73				V,Pb
12/09/1998	FMETL	ND	ND	ND	ND	ND	3.42				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	3.38				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	3.63				V,Pb
07/27/1999	FMETL	ND	ND	ND	ND	ND	5.03				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	3.65				V,Pb
02/14/2000	FMETL	1.49	ND	ND	ND	ND	3.00				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	3.77				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	3.51				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	4.15				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	2.75				V,Pb
05/08/2001	FMETL	1.02	ND	ND	ND	ND	3.95				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	4.65				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
11/09/2001D	FMETL	ND	ND	ND	ND	ND	4.81				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	3.86				V, Pb
05/29/2002	FMETL	ND	ND	ND	ND	ND	3.83				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	5.13				V, Pb
10/29/2002	FMETL	2.47	ND	ND	ND	ND	3.32				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7

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

000043

12-02-2008 L:\DPW\EV\VP_Lab\Lab Data\MTechData\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
06/11/2003	FMETL	ND	ND	ND	ND	ND	3.00				V, Pb
07/22/2003	FMETL	5.20	ND	ND	ND	ND	3.91				V, Pb
10/07/2003	FMETL	0.831	ND	ND	ND	ND	3.89				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	3.42				V, Pb
05/22/2004	FMETL	ND	ND	ND	ND	ND	4.12				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	3.85				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	3.19				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	2.70				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	4.58				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	3.49				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	3.02				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	3.09				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	3.94				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	3.07				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	3.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	3.35				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	3.75				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	3.17				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
04/23/2008	FMETL	1.35	ND	ND	ND	ND	3.53				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	4.40				V, Pb
11/04/2008	FMETL	ND	ND	ND	ND	ND	3.78				V, Pb

SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

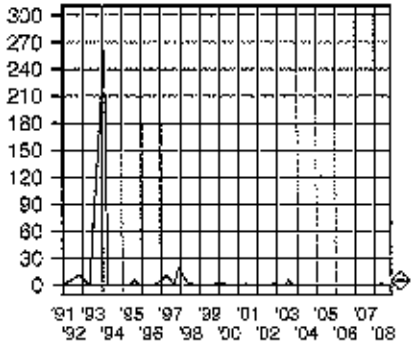
Source 2 of 7 (cont.)

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

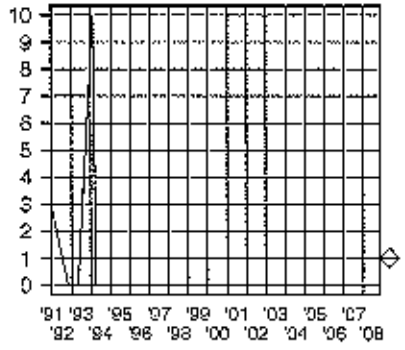
12-02-2008 L:\DPW\ENVR_Lab\Lab Data\WTechData\2567\2567.WSF

000044

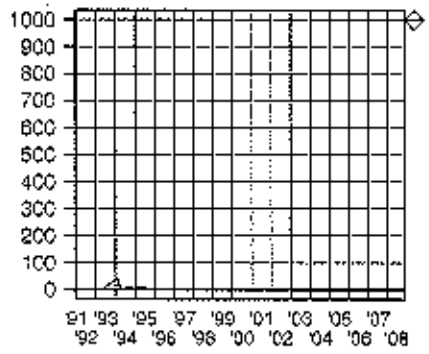
LEAD
(ug/L)



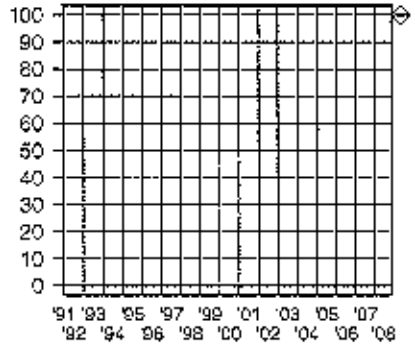
BENZENE
(ug/L)



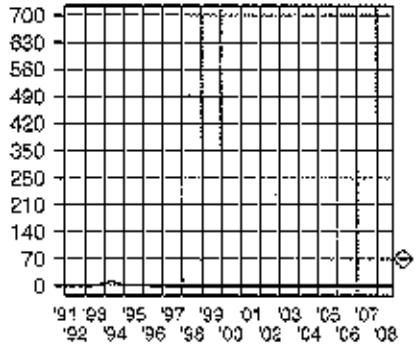
XYLENE
(ug/L)



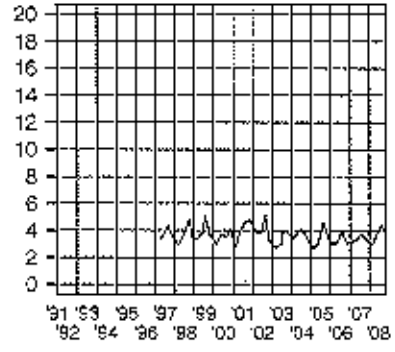
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW02

Sampling Dates:
12/10/1991 - 11/04/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 2 of 7, Graph

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

000045

12-02-2009 J:\DPW\ENVR_Lab\Lab Data\W\Tech Data\2567\2567.WSF

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	ENV PRO	ND	110	200	ND	69	-				-
10/26/1992	ENV PRO	5	ND	3	ND	ND	-				-
04/21/1993	ENV PRO	60	180	74.2	ND	27	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	41	19	65	ND	9.1	-				-
03/31/1994	21st CEN	25	ND	ND	ND	ND	-				-
06/14/1994	21st CEN	3	15	3.4	ND	100	-				-
09/15/1994	21st CEN	ND	ND	1.4	ND	61	-				-
05/25/1995	EMSL	2.7	94	190	ND	400	-				-
08/15/1995	EMSL	ND	89	360	ND	670	-				-
11/21/1995	EMSL	ND	35	91	46	360	-				-
02/20/1996	EMSL	6	40	70	43	250	-				-
06/13/1996	FMETL	0.7	ND	ND	ND	ND	-				-
09/27/1996	FMETL	6.2	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.5	ND	ND	ND	ND	3.15				V,Pb
08/28/1997	FMETL	ND	ND	ND	940	62	4.00				V,Pb
12/02/1997	FMETL	10	4.31	ND	ND	188	3.10				V,S,P,M
03/04/1998	FMETL	ND	19	8.6	ND	102	2.48				V,S,P,M
06/19/1998	FMETL	ND	4.68	ND	27.52	81.82	3.99				V,Pb
09/25/1998	FMETL	ND	5.96	3.62	ND	27.27	4.56				V,Pb
12/16/1998	FMETL	ND	15.45	3.67	19.38	20.54	4.25				V,Pb
02/24/1999	FMETL	1.0	1.03	ND	ND	3.3	3.16				V,Pb
05/29/1999	FMETL	ND	1.70	1.29	ND	26.34	3.55				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	8.96	4.85				V,Pb
10/21/1999	FMETL	1.3	ND	ND	ND	13.02	3.93				V,Pb
02/14/2000	FMETL	1.22	ND	ND	ND	3.78	3.42				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	9.35	3.40				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	5.36	3.17				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	20.24	3.56				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	1.96	2.50				V,Pb
05/08/2001	FMETL	0.96	ND	ND	ND	11.95	3.40				V, Pb
08/15/2001	FMETL	ND	ND	ND	67.42	17.8	4.30				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	5.51	4.30				V, Pb
02/26/2002	FMETL	ND	ND	ND	31.59	4.14	3.29				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	3.13	3.40				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	4.03				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	2.37	2.98				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	3.64	2.39				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	2.55				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7

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

000046

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
07/22/2003	FMETL	0.983	ND	ND	ND	6.82	3.81				V, Pb
10/07/2003	FMETL	ND	ND	1.36	13.51	4.56	3.52				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.95				V, Pb
06/22/2004	FMETL	ND	ND	1.66	ND	15.45	3.75				V, Pb
08/12/2004	FMETL	ND	ND	1.61	66.83	9.66	3.61				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.98				V, Pb
02/11/2005	FMETL	ND	ND	ND	51.21	2.86	2.45				V, Pb
05/06/2005	FMETL	ND	ND	ND	90.78	8.64	2.77				V, Pb
08/16/2005	FMETL	ND	0.32	2.06	ND	8.17	4.30				V, Pb
11/17/2005	FMETL	ND	ND	ND	69.30	2.23	2.98				V, Pb
01/30/2006	FMETL	ND	ND	ND	73.77	2.39	2.74				V, Pb
04/26/2006	FMETL	ND	ND	ND	46.15	4.07	2.85				V, Pb
07/26/2006	FMETL	ND	ND	ND	421.11	120.71	3.62				V, Pb
10/31/2006	FMETL	ND	ND	0.79	209.31	10.28	2.66				V, Pb
01/16/2007	FMETL	ND	ND	0.69	81.05	3.75	2.76				V, Pb
05/08/2007	FMETL	ND	ND	4.13	ND	ND	2.85				V, Pb
07/30/2007	FMETL	0.760	ND	ND	71.53	ND	2.88				V, Pb
12/04/2007	FMETL	ND	0.14	0.46	24.36	0.62	2.77				V, Pb
02/29/2008	FMETL	ND	ND	ND	29.04	1.10	2.64				V, Pb
04/23/2008	FMETL	ND	ND	0.92	49.26	1.46	2.97				V, Pb
08/08/2008	FMETL	ND	ND	1.51	27.37	1.24	4.06				V, Pb
11/04/2008	FMETL	ND	0.21	0.84	ND	0.92	3.20				V, Pb

SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

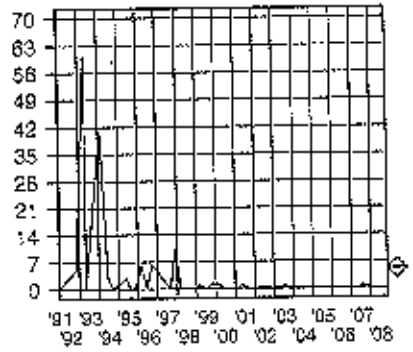
GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7 (cont.)

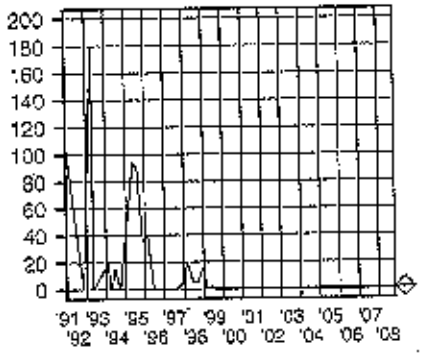
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

000047

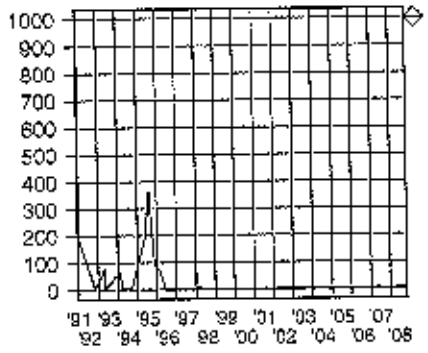
LEAD
(ug/L)



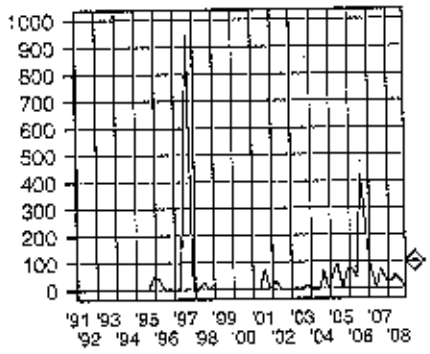
BENZENE
(ug/L)



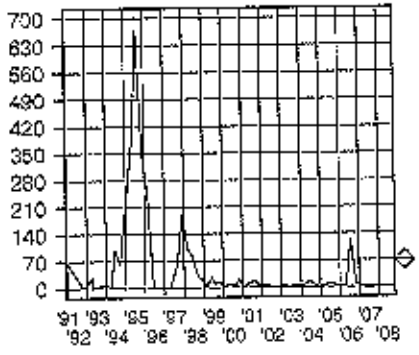
XYLENE
(ug/L)



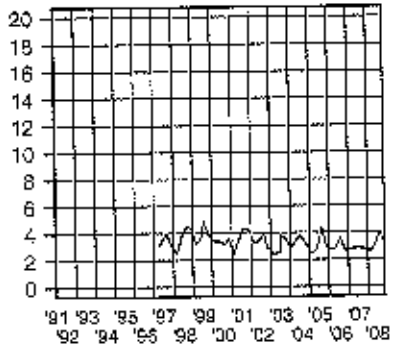
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW03

Sampling Dates:
12/10/1991 - 11/04/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 3 of 7, Graph

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

12-02-2009 L:\DPW\EXVR_Lab\Lab Data\MTechData\2567\2567.WSF

000048

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
12/10/1991	EMSL	5	ND	ND	ND	ND	-				-
10/26/1992	ENV PRO	ND	ND	ND	ND	ND	-				-
04/21/1993	ENV PRO	ND	ND	ND	ND	ND	-				-
04/28/1993	21st CEN	ND	ND	ND	ND	ND	-				BNA Only
02/03/1994	21st CEN	ND	14	60	ND	ND	-				-
08/31/1994	21st CEN	ND	ND	ND	ND	1.3	-				-
06/14/1994	21st CEN	ND	ND	ND	ND	ND	-				-
09/15/1994	21st CEN	ND	ND	ND	ND	ND	-				-
05/25/1995	EMSL	ND	ND	ND	ND	ND	-				-
08/15/1995	EMSL	2.6	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
06/13/1996	FMETL	1.8	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	ND	ND	ND	ND	-				-
04/11/1997	FMETL	2.3	ND	ND	ND	ND	2.55				V,Pb
08/28/1997	FMETL	ND	ND	ND	ND	ND	3.20				V,Pb
12/02/1997	FMETL	9.0	ND	ND	ND	ND	2.45				V,S,P,M
03/04/1998	FMETL	ND	ND	ND	ND	ND	2.11				V,S,P,M
06/19/1998	FMETL	ND	ND	ND	ND	ND	2.33				V,Pb
09/24/1998	FMETL	ND	ND	ND	ND	ND	3.55				V,Pb
12/12/1998	FMETL	ND	ND	ND	ND	ND	3.11				V,Pb
02/24/1999	FMETL	ND	ND	ND	ND	ND	2.44				V,Pb
05/29/1999	FMETL	ND	ND	ND	ND	ND	2.76				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	3.98				V,Pb
10/21/1999	FMETL	1.2	ND	ND	ND	ND	2.37				V,Pb
02/14/2000	FMETL	1.4	ND	ND	ND	ND	1.69				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
05/15/2000D	FMETL	ND	ND	ND	ND	ND	2.65				V,Pb
08/22/2000	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
08/22/2000D	FMETL	ND	ND	ND	ND	ND	2.49				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	2.91				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
02/09/2001D	FMETL	ND	ND	ND	ND	ND	1.99				V,Pb
05/08/2001	FMETL	ND	ND	ND	ND	ND	2.68				V, Pb
05/08/2001D	FMETL	1.26	ND	ND	ND	ND	2.68				V, Pb
08/15/2001	FMETL	2.2	ND	ND	ND	ND	3.50				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	3.65				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	2.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	2.83				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7

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

12-02-2009 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

000049

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/20/2002	FMETL	ND	ND	ND	ND	ND	3.96				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	2.26				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	1.84				V, Pb
06/11/2003	FMETL	2.26	ND	ND	ND	ND	2.15				V, Pb
07/22/2003	FMETL	1.22	ND	ND	ND	ND	2.82				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	2.75				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	3.15				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	2.80				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	2.08				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	1.67				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	2.09				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	3.51				V, Pb
11/17/2005	FMETL	8.84	ND	ND	ND	ND	1.93				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	2.02				V, Pb
04/28/2006	FMETL	2.91	ND	ND	ND	ND	1.99				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	2.76				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	1.85				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	2.11				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	2.37				V, Pb
07/30/2007	FMETL	2.04	ND	ND	ND	ND	1.93				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	1.87				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	2.01				V, Pb
04/23/2008	FMETL	ND	ND	ND	ND	ND	2.41				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	3.37				V, Pb
11/04/2008	FMETL	ND	ND	ND	ND	ND	2.44				V, Pb

SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

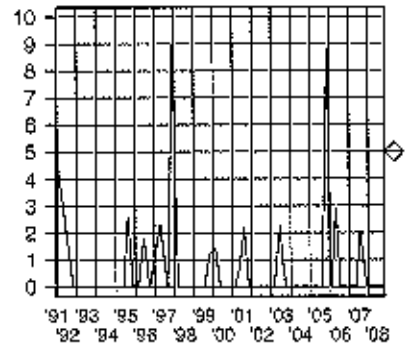
Source 4 of 7 (cont.)

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

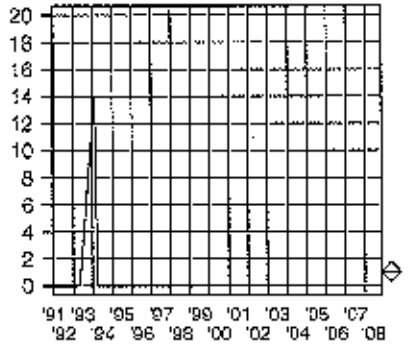
12-02-2009 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

050050

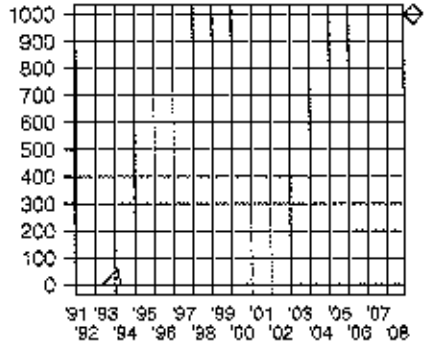
LEAD
(ug/L)



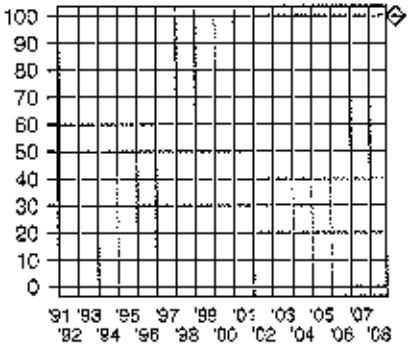
BENZENE
(ug/L)



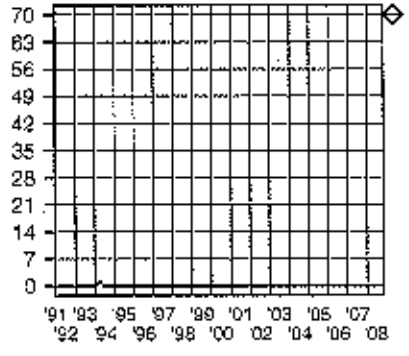
XYLENE
(ug/L)



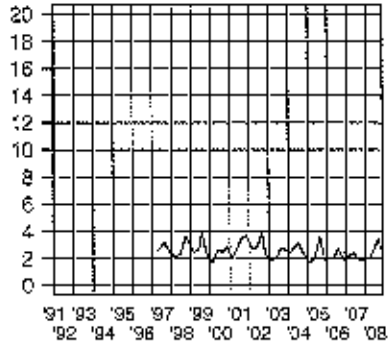
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW04

Sampling Dates:
12/10/1991 - 11/04/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 4 of 7, Graph

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

12-02-2009 L:\DPW&E\VF_Lab\Lab Data\MTechData\2567\2567.WSF

000051

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
05/25/1995	EMSL	4.0	ND	ND	ND	ND	-				-
08/15/1995	EMSL	ND	ND	ND	ND	ND	-				-
11/21/1995	EMSL	ND	ND	ND	ND	ND	-				-
02/20/1996	EMSL	ND	ND	ND	ND	ND	-				-
09/27/1996	FMETL	ND	-	-	-	-	-				-
04/11/1997	FMETL	2.7	-	-	-	-	7.20				V,Pb
08/28/1997	FMETL	ND	-	-	-	-	7.50				V,Pb
12/02/1997	FMETL	7.0	-	-	-	-	7.20				V,S,P,M
03/04/1998	FMETL	ND	-	-	-	-	7.30				V,S,P,M
06/01/1998	FMETL	ND	-	-	-	-	7.55				V,Pb
09/25/1998	FMETL	ND	-	-	-	-	7.59				V,Pb
12/16/1998	FMETL	ND	-	-	-	-	7.34				V,Pb
02/24/1999	FMETL	1.0	-	-	-	-	8.16				V,Pb
06/08/1999	FMETL	ND	ND	ND	ND	ND	7.33				V,Pb
07/21/1999	FMETL	ND	ND	ND	ND	ND	7.87				V,Pb
10/21/1999	FMETL	4.4	ND	ND	ND	ND	8.57				V,Pb
02/14/2000	FMETL	1.21	ND	ND	ND	ND	5.75				V,Pb
05/15/2000	FMETL	ND	ND	ND	ND	ND	6.92				V,Pb
08/22/2000	FMETL	1.6	ND	ND	ND	ND	6.73				V,Pb
11/01/2000	FMETL	2.4	ND	ND	ND	ND	7.16				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	5.26				V,Pb
05/08/2001	FMETL	4.53	ND	ND	ND	ND	7.47				V, Pb
08/15/2001	FMETL	8.4	ND	ND	ND	ND	7.70				V, Pb
11/09/2001	FMETL	9.7	ND	ND	ND	ND	7.83				V, Pb
02/26/2002	FMETL	6.5	ND	ND	ND	ND	6.95				V, Pb
05/28/2002	FMETL	3.60	ND	ND	ND	ND	5.91				V, Pb
08/20/2002	FMETL	32.3	ND	ND	ND	ND	6.03				V, Pb
10/29/2002	FMETL	49.5	ND	ND	ND	ND	5.95				V, Pb
02/26/2003	FMETL	3.57	ND	ND	ND	ND	5.37				V, Pb
06/11/2003	FMETL	43.9	ND	ND	ND	ND	5.78				V, Pb
07/22/2003	FMETL	22.1	ND	ND	ND	ND	7.30				V, Pb
10/07/2003	FMETL	22.1	ND	ND	ND	ND	7.17				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.93				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	5.79				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	5.23				V, Pb
11/24/2004	FMETL	22.4	ND	ND	ND	ND	6.44				V, Pb
02/11/2005	FMETL	11.5	ND	ND	ND	ND	5.79				V, Pb
05/09/2005	FMETL	27.9	ND	ND	ND	ND	6.56				V, Pb
08/16/2005	FMETL	14.0	ND	ND	ND	ND	7.91				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

12-02-2008 L:\DPW\ENVR_Lab\Lab Data\VTechData\2567\2567.WSF

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	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
11/17/2005	FMETL	11.2	ND	ND	ND	ND	5.62				V, Pb
01/30/2006	FMETL	8.76	ND	ND	ND	ND	6.03				V, Pb
04/26/2006	FMETL	6.52	ND	ND	ND	ND	5.81				V, Pb
07/26/2006	FMETL	1.58	ND	ND	ND	ND	7.38				V, Pb
10/31/2006	FMETL	1.60	ND	ND	ND	ND	6.97				V, Pb
01/18/2007	FMETL	6.36	ND	ND	ND	ND	6.57				V, Pb
05/08/2007	FMETL	6.47	ND	ND	ND	ND	6.93				V, Pb
07/30/2007	FMETL	11.0	ND	ND	ND	ND	5.84				V, Pb
12/04/2007	FMETL	5.32	ND	ND	ND	ND	6.33				V, Pb
02/29/2008	FMETL	3.24	ND	ND	ND	ND	6.53				V, Pb
04/23/2008	FMETL	8.12	ND	ND	ND	ND	7.02				V, Pb
08/08/2008	FMETL	25.6	ND	ND	ND	ND	7.76				V, Pb
11/04/2008	FMETL	8.21	ND	ND	ND	ND	7.09				V, Pb

SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 5 of 7 (cont.)

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

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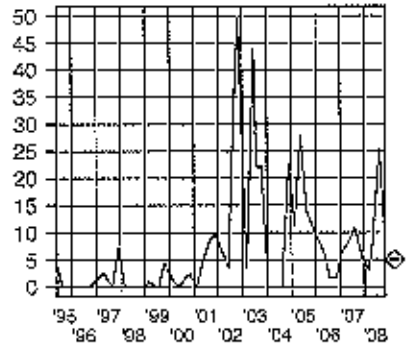
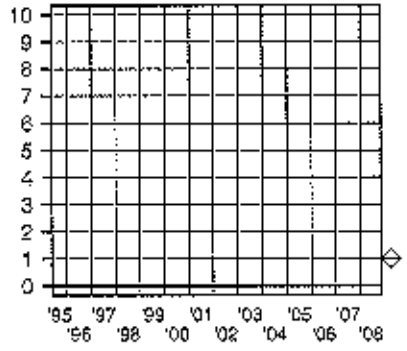
12-02-2009 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

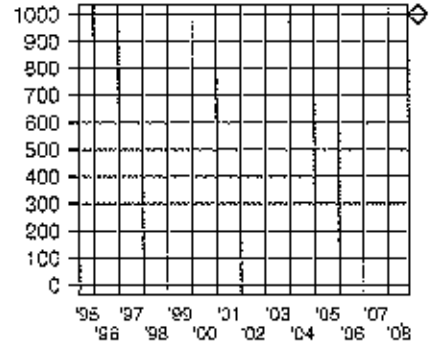
LEAD
(ug/L)



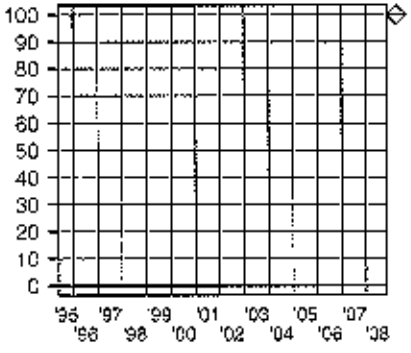
BENZENE
(ug/L)



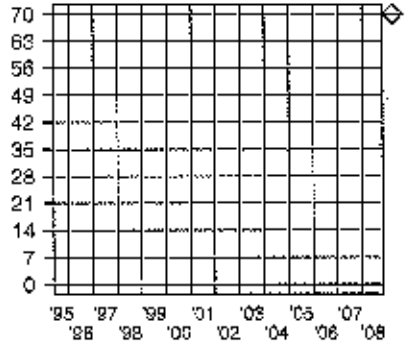
XYLENE
(ug/L)



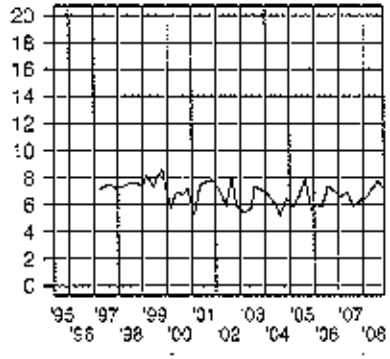
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW05

Sampling Dates:
05/25/1995 - 11/04/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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

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	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	7.06				V,Pb
11/01/2000	FMETL	ND	ND	ND	ND	ND	7.26				V,Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.44				V,Pb
05/08/2001	FMETL	1.48	ND	ND	ND	ND	7.42				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	8.15				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	8.09				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.82				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	7.29				V, Pb
08/20/2002	FMETL	1.32	ND	ND	ND	ND	8.78				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.62				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.24				V, Pb
06/11/2003	FMETL	ND	ND	ND	ND	ND	6.50				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.61				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	7.31				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	ND	7.67				V, Pb
08/12/2004	FMETL	ND	ND	ND	ND	ND	7.46				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	6.11				V, Pb
05/06/2005	FMETL	22.4	ND	ND	ND	ND	6.61				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	8.13				V, Pb
11/17/2005	FMETL	ND	ND	ND	ND	ND	6.29				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.56				V, Pb
04/26/2006	FMETL	ND	ND	ND	ND	ND	6.46				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.32				V, Pb
10/31/2006	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.49				V, Pb
05/08/2007	FMETL	ND	ND	ND	ND	ND	6.58				V, Pb
07/30/2007	FMETL	ND	ND	ND	ND	ND	6.35				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.27				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.22				V, Pb
04/23/2008	FMETL	ND	ND	ND	ND	ND	6.57				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	8.00				V, Pb
11/04/2008	FMETL	ND	ND	ND	ND	ND	6.77				V, Pb

SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/05

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

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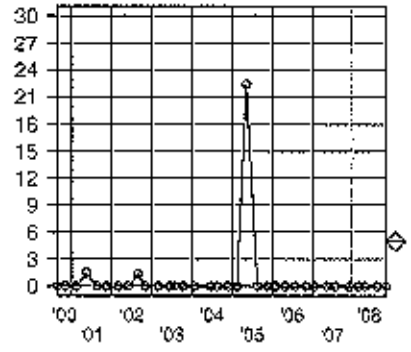
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

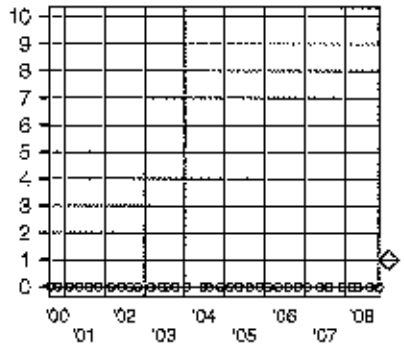
000055

12-02-2009 L:\DPW\E\VF_Lab\Lab Data\MTechData\2567\2567.WSF

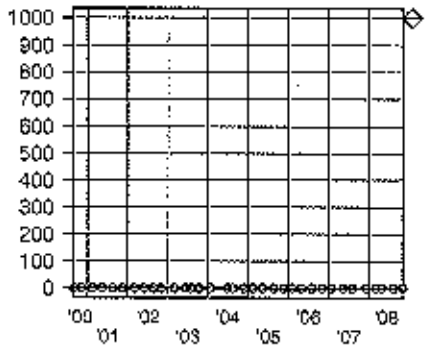
LEAD
(ug/L)



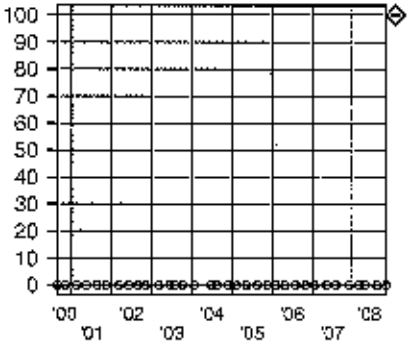
BENZENE
(ug/L)



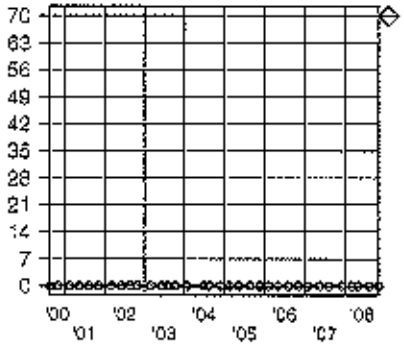
XYLENE
(ug/L)



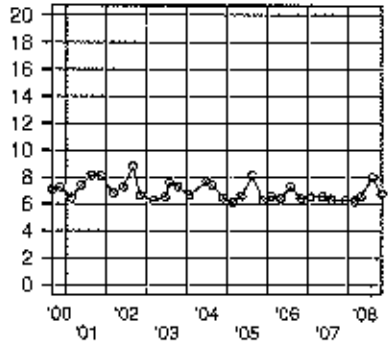
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW06

Sampling Dates:
08/22/2000 - 11/04/2006

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 6 of 7, Graph

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

12-02-2008 ...\DPW\ENVR_Lab\Lab Data\MTech Data\2567\2567.WSF

950000

	LAB	LEAD	BENZENE	XYLENE	TERT-BUTYL ALCOHOL	MTBE	Depth to Water				NOTES
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	Feet				-
NJDEP Criteria:	-	5	1	1000	100	70	-				-
08/22/2000	FMETL	ND	ND	ND	ND	ND	6.65				V, Pb
11/02/2000	FMETL	ND	ND	ND	ND	ND	6.80				V, Pb
02/09/2001	FMETL	ND	ND	ND	ND	ND	6.23				V, Pb
05/09/2001	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
08/15/2001	FMETL	ND	ND	ND	ND	ND	7.75				V, Pb
11/09/2001	FMETL	ND	ND	ND	ND	ND	7.56				V, Pb
02/26/2002	FMETL	ND	ND	ND	ND	ND	6.71				V, Pb
05/28/2002	FMETL	ND	ND	ND	ND	ND	6.63				V, Pb
08/20/2002	FMETL	ND	ND	ND	ND	ND	6.28				V, Pb
10/29/2002	FMETL	ND	ND	ND	ND	ND	6.40				V, Pb
02/26/2003	FMETL	ND	ND	ND	ND	ND	6.07				V, Pb
08/11/2003	FMETL	0.855	ND	ND	ND	ND	6.26				V, Pb
07/22/2003	FMETL	ND	ND	ND	ND	ND	7.19				V, Pb
10/07/2003	FMETL	ND	ND	ND	ND	ND	6.88				V, Pb
01/16/2004	FMETL	ND	ND	ND	ND	ND	6.37				V, Pb
06/22/2004	FMETL	ND	ND	ND	ND	2.98	7.32				V, Pb
08/12/2004	FMETL	5.47	ND	ND	ND	2.51	7.10				V, Pb
11/24/2004	FMETL	ND	ND	ND	ND	ND	6.17				V, Pb
02/11/2005	FMETL	ND	ND	ND	ND	ND	5.88				V, Pb
05/06/2005	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
08/16/2005	FMETL	ND	ND	ND	ND	ND	7.73				V, Pb
01/30/2006	FMETL	ND	ND	ND	ND	ND	6.30				V, Pb
04/26/2006	FMETL	2.97	ND	ND	ND	ND	6.30				V, Pb
07/26/2006	FMETL	ND	ND	ND	ND	ND	7.02				V, Pb
10/31/2006	FMETL	ND	ND	ND	10.21	1.78	6.37				V, Pb
01/18/2007	FMETL	ND	ND	ND	ND	ND	6.21				V, Pb
04/23/2007	FMETL	ND	ND	ND	ND	ND	6.32				V, Pb
05/06/2007	FMETL	ND	ND	ND	ND	ND	6.34				V, Pb
07/30/2007	FMETL	1.85	ND	ND	ND	ND	6.11				V, Pb
12/04/2007	FMETL	ND	ND	ND	ND	ND	6.08				V, Pb
02/29/2008	FMETL	ND	ND	ND	ND	ND	6.18				V, Pb
08/08/2008	FMETL	ND	ND	ND	ND	ND	7.48				V, Pb
11/04/2008	FMETL	ND	ND	ND	ND	ND	6.45				V, Pb

SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 11/04/2008

NOTES:

New Ground Water Quality Criteria as per 11/07/06

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7

U.S.ARMY
FORT MONMOUTH
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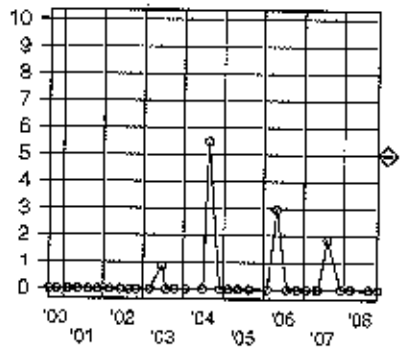
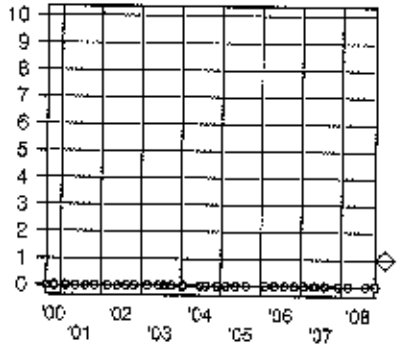
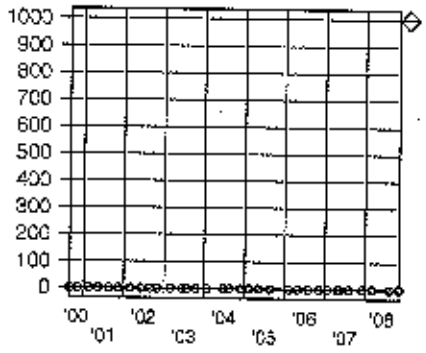
LEAD
(ug/L)



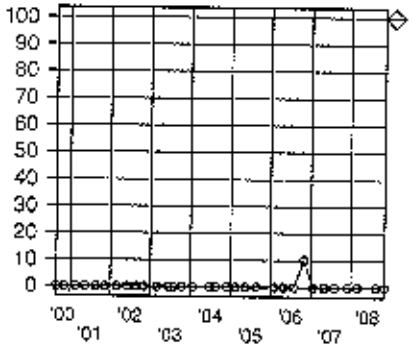
BENZENE
(ug/L)



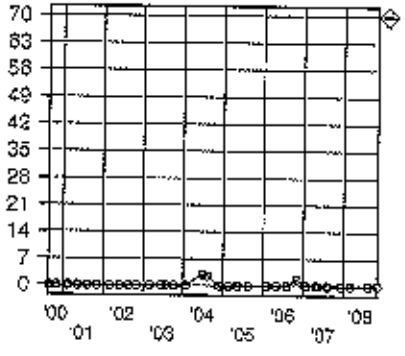
XYLENE
(ug/L)



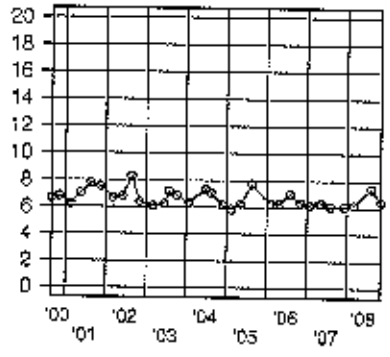
TERT-BUTYL ALCOHOL
(ug/L)



METHYL TERT-BUTYL ETHER
(ug/L)



Depth to Water
(Feet)



SOURCE: 2567MW07

Sampling Dates:
08/22/2000 - 11/04/2008

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 2567
Table / Graph A

Source 7 of 7, Graph

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

12-02-2008 L:\DPW\ENVR_Lab\Lab Data\MTechData\2567\2567.WSF

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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.: 4 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 Herman 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.

Retrieved 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 McConnell Date: 1/30/03
Laboratory Director: [signature] 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
7.1.10 Buckets
7.1.11 Miscellaneous 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

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): D 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 McComb 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 McComish Date: 9/30/04
Laboratory Director: Date: 10-14-04
QA/QC Manager: Joanne Hoomes 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:

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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).

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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.

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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 Holmes DATE: 1/23/06

STANDARD OPERATING PROCEDURE

SOP No.: SAM-0205
Revision No.: 3
Date Revised: 1/20/2006

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: 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 Heiser 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: Karen 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
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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.

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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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9.5.1.1 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.

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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.

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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:

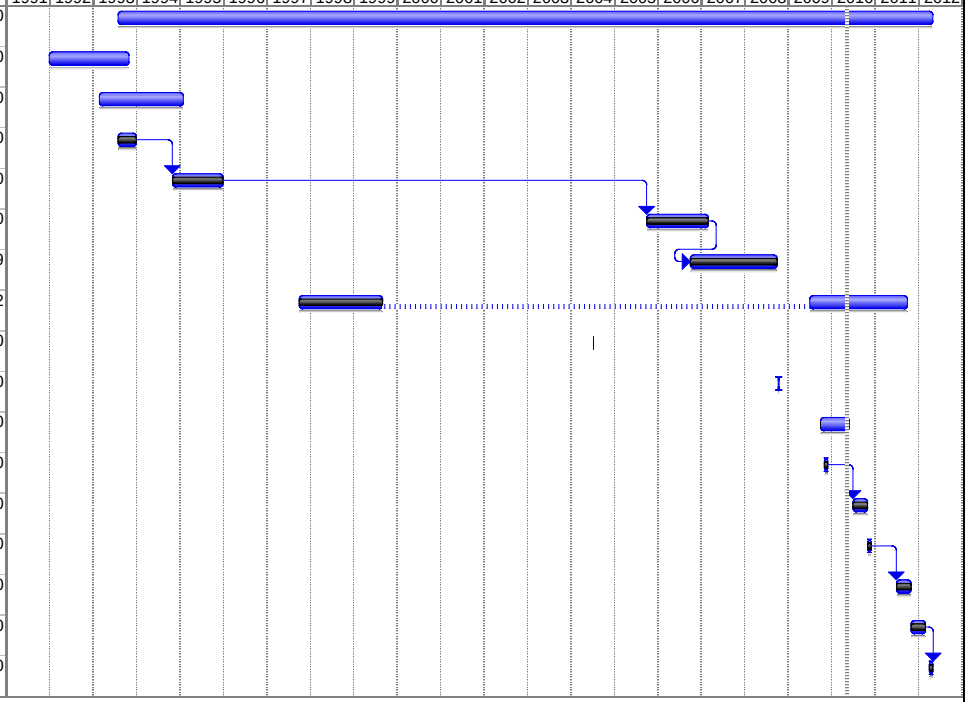
14.1 For sample disposal, please refer to SOP No. SAM-0220.

Appendix F

Costs and Schedule for Site 2567

Fort Monmouth Installation Restoration Program, 2567 FTMM-58 Site, Schedule and Cost Summary

ID	Task Name	Start	Finish	Notes	COST ($000)
1	Bldg. 2567, UST Gasoline FTMM-58 Total Cost	Mon 8/2/93	Mon 4/30/12		$220
2	#2 Fuel Oil UST and Waste Oil UST removed	Tue 12/31/91	Sun 10/31/93		$0
3	4 Gasoline USTs removed	Wed 2/24/93	Tue 1/31/95		$0
4	Preliminary Assessment	Mon 8/2/93	Fri 12/31/93		$0
5	Site Investigation	Tue 11/1/94	Fri 12/29/95		$0
6	Remedial Investigation / Remedial Action Workplan	Sat 10/1/05	Fri 3/2/07		$0
7	Remedial Action / Operations	Mon 10/2/06	Tue 9/30/08		$69
8	LTM (Qtrly Monitoring Mar, May Aug & Dec)	Wed 10/1/97	Fri 9/30/11		$152
9	Classification Exception Area Information	Mon 7/12/04	Mon 7/12/04		$0
10	3 Gasoline USTs removed	Fri 10/10/08	Thu 10/16/08		$0
11	RAPR 2nd Qt r2004 - 4th Qtr 2008	Thu 10/1/09	Sun 5/30/10		$0
12	Annual MW Inspections 2009	Mon 11/2/09	Mon 11/30/09		$0
13	Annual RAPR 2009 (1st qtr '09 to 4th qtr '09)	Thu 7/1/10	Sun 10/31/10		$0
14	Annual MW Inspections 2010	Mon 11/1/10	Tue 11/30/10		$0
15	Annual RAPR 2010	Fri 7/1/11	Mon 10/31/11		$0
16	Final RA Report and CEA	Tue 11/1/11	Wed 2/29/12		$0
17	MW Abandonment / Site Restoration	Mon 4/2/12	Mon 4/30/12		$0



Costs are primarily based on the DPW Obligations. OMA costs are not included

Task | Progress | Summary | External Tasks | Deadline

Split | Milestone | Project Summary | External Milestone