HANDEX®
Practical Business Solutions

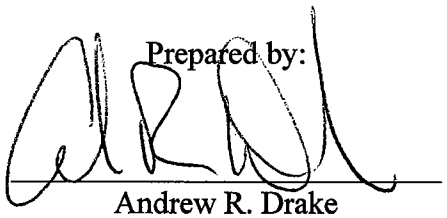
REMEDIAL ACTION PROGRESS REPORT
VOLUME I of III
April 2002 through March 2003
U.S. Army, Fort Monmouth
Building 2700, Charles Wood Area
Fort Monmouth, Monmouth County, New Jersey

November 2004

Prepared for:

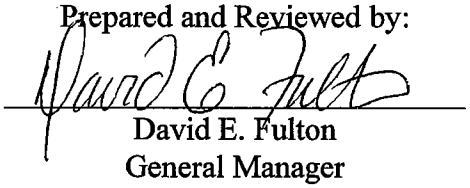
Mr. Douglas Guenther
U.S. Army, Fort Monmouth
Building 173, SELFM-PW-EV
Fort Monmouth, New Jersey 07703

Prepared by:



Andrew R. Drake
Senior Project Manager
NJDEP License No. 0010019

Prepared and Reviewed by:



David E. Fulton
General Manager
NJDEP License No. 0010613

500 Campus Drive, Morganville, New Jersey 07751-0451 • (732) 536-8500 • FAX (732) 536-7751

HANDEX®
Practical Business Solutions

December 7, 2004

Mr. Douglas Guenther
U.S. Army, Fort Monmouth Garrison
Directorate of Public Works
Building 173, Attention SELFM-PW-EV (Mr. Douglas Guenther)
Fort Monmouth, New Jersey 07703

Re: *Remedial Action Progress Report,* April 2002 – March 2003
Charles Wood Area (CW-1) – Remediation System

Dear Mr. Guenther:

The enclosed Remedial Action Progress Report (RAPR) describes the groundwater pump and treat and the soil vapor extraction (SVE)/air sparge remediation systems installed and operating at the site during the period of April 2002 through September 2003. As discussed in the report, most of the chlorinated hydrocarbon mass has been removed and system shut down is suggested.

Per your previous instruction, the following are enclosed:

- (1) complete hard copy report for your files;
- (1) hard copy report without the hard copy lab data;
- (2) CD's, each with a copy of the full report.

If you should have any questions, please do not hesitate to contact me at (732) 536-8667, extension 214.

Sincerely,

Andrew R. Drake
Sr. Project Manager
NJDEP License Number 0010019

enclosure
C: Handex site file

TABLE OF CONTENTS
VOLUME I of III

SECTION			PAGE
1.0	INTRODUCTION		1
2.0	SITE SUMMARY		1
3.0	REMEDIATION STATUS		2
	3.1	Air Sparge/Soil Vapor Extraction System	2
	3.2	Groundwater Pump and Treat System	3
4.0	GROUND WATER SAMPLING		3
	4.1	Contaminants of Concern	4
	4.2	Remaining Analytes	5
5.0	LABORATORY QA/QC REVIEW		6
6.0	CONCLUSIONS		9
7.0	RECOMMENDATIONS		9
	7.1	Amended Sampling Program	9

FIGURES

1. Site Location Map
2. Site Plan
3. Process & Instrumentation Diagram
4. Soil Vapor Extraction Influent Concentrations & Recovery Graphs
5. Site Information Plan, Shallow Monitoring Wells, May 31, 2002
6. Site Information Plan, Deep Monitoring Wells, May 31, 2002
7. Site Information Plan, Shallow Monitoring Wells, July 29, 2002
8. Site Information Plan, Deep Monitoring Wells, July 29, 2002
9. Site Information Plan, Shallow Monitoring Wells, November 12, 2002
10. Site Information Plan, Deep Monitoring Wells, November 14, 2002
11. Site Information Plan, Shallow Monitoring Wells, March 28, 2003
12. Site Information Plan, Deep Monitoring Wells, March 28, 2003
13. Total VOC Concentrations in Ground Water vs. Time – Shallow Source Area Wells
14. Total VOC Concentrations in Ground Water vs. Time – Deep Source Area Well

TABLE OF CONTENTS - Continued
VOLUME I of III

TABLES
1. Soil Vapor Extraction System Data
2. Groundwater System Flow Summary
3. CW-1 Groundwater System – Total Chlorinated Hydrocarbons Removed
4. Ground Water Monitoring & Sampling Summary Data – Shallow Monitoring Wells
5. Ground Water Monitoring & Sampling Summary Data – Deep Monitoring Wells

APPENDICES

VOLUME I of III

A. Laboratory Analytical Reports – System Samples – April 2002 through March 2003
B. Groundwater Sampling Analytical Report – April 30, 2002
C. Groundwater Sampling Analytical Report – May 31, 2002
D. Groundwater Sampling Analytical Report – June 27, 2002
E. Groundwater Sampling Analytical Report – July 29, 2002

VOLUME II of III

F. Groundwater Sampling Analytical Report – August 30, 2002
G. Groundwater Sampling Analytical Report – September 30, 2002
H. Groundwater Sampling Analytical Report – October 18, 2002
I. Groundwater Sampling Analytical Report – November 14, 2002

VOLUME III of III

J. Groundwater Sampling Analytical Report – December 18, 2002
K. Groundwater Sampling Analytical Report – January 29, 2003
L. Groundwater Sampling Analytical Report – February 25, 2003
M. Groundwater Sampling Analytical Report – March 28, 2003

1.0 INTRODUCTION

The following Remedial Action Progress Report (RAPR) has been prepared by Handex of New Jersey, Inc. (Handex) on behalf of the United States Army Garrison Fort Monmouth, Directorate of Public Works in accordance with the New Jersey Department of Environmental Protection (NJDEP) "Technical Requirements for Site Remediation" rules (N.J.A.C. 7:26E). This report covers the time period of April 2002 through March 2003 and includes the following: a site summary, an overview of the operating remediation systems and remedial progress during the reporting period, results of groundwater sampling, and the proposed actions for the site.

2.0 SITE SUMMARY:

NJDEP Case Manager:	Mr. Greg Zalaskus New Jersey Department of Environmental Protection Bureau of Case Management
Report Submitted by:	Andy Drake, Handex of New Jersey, Inc.
Reporting Period:	April 2002 through March 2003
Report Date:	November 2004
RAW Status:	Remedial Action Workplan (RAW) submitted June 1997 (written by Smith Technology Corp.), and approved on August 1, 1997.
Remedial Status:	Groundwater pump and treat system and air sparge/soil vapor extraction systems currently operating.
Contaminants of Concern	Cis-1-2-Dichloroethene, Trichloroethene, Tetrachloroethene
Sampling Frequency:	Quarterly.
Surface Water:	The closest surface water is an unnamed tributary of Parkers Creek located approximately 700 feet southeast (down/sidegradient). A U.S.G.S topographic map of the site area is included as Figure 1.
Site Geology:	Predominately silty sand with varying percentages of clay. A laterally continuous silt unit at least 19 feet thick begins at 41 feet below grade.
Hydrogeology:	Depth to water is approximately 9-10 feet below grade. Groundwater flow is generally to the northeast.
Current Site Use:	The site is located within the courtyard of Building 2700, approximately 45 feet southeast of a partially underground auditorium. A site plan illustrating the site layout is included as Figure 2.
Past Site Use:	A former concrete wastewater treatment lime pit formerly operated at the site location and was the source of chlorinated volatile organic compounds (VOC's) in the groundwater. The former wastewater treatment lime pit was used to pre-treat liquid laboratory wastes from Building 2700 prior to discharge to the sanitary sewer.

Original Release: Chlorinated VOC's were identified in the soil beneath the lime pit in 1992 following initial clean-out/disposal activities. Chlorinated VOC's were identified in groundwater adjacent to the former lime pit in February and March 1995.

Site History Summary:

- 1992: Concrete lime pit is cleaned out and material is removed for disposal. Chlorinated VOC's identified in soil beneath the former lime pit. Area of concern is labeled "CW-1."
- 1995: Chlorinated VOC's are identified in groundwater adjacent to the former lime pit in February and March 1995. *Final Site Investigation* report is prepared by Roy F. Weston, Inc. in December 1995.
- 1997: A *Remedial Action Workplan* (RAW), dated June 1997, is prepared by Smith Technology Corp. and approved by NJDEP on August 1, 1997.
- 1998: Startup of an air sparge/soil vapor extraction system on April 8, 1998.
- 2001: CW-1 lime pit decommissioned. Remaining limestone chips and concrete excavated and disposed offsite (approximately 174 cubic yards). Following excavation, former lime pit is backfilled with clean fill.
- 2002: Startup of a groundwater pump and treat system on July 8, 2002.

3.0 REMEDIATION STATUS

The air sparge/soil vapor extraction system installed at the site continued to operate during the reporting period. A groundwater pump and treat system was started in July 2002 and operated through the remainder of the reporting period. Following is a summary of the remediation systems and operations during the reporting period.

3.1 AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM

The air sparge/soil vapor extraction (AS/SVE) system consists of four air sparge wells (SPG-1, SPG-2, SPG-3, and SPG-4) and six soil vapor extraction wells (SVE-1, SVE-2, MW-28, MW-29, RW-1, and RW-2). An air sparge compressor delivers air to the sparge wells and a regenerative blower extracts the soil gas from the extraction wells. The extracted soil vapors pass through a water trap and moisture separator prior to two 1,000-pound vapor-phase carbon vessels for treatment. A process and instrumentation diagram (P&ID) of the system is included as Figure 3, illustrating both the groundwater system and the AS/SVE system.

The AS/SVE system operated throughout the reporting period. A summary of the system operating parameters collected during weekly system visits are presented in Table 1, and include system status, vacuum, airflow, concentrations, and recovery data. Figure 4 illustrates the system influent concentrations and cumulative mass recovered for the reporting period. Approximately 83 pounds of volatile organic compounds were extracted and treated during the reporting period.

The VOC's are treated by the two 1,000-pound vapor phase carbon treatment units. The treated air is discharged in accordance with the NJDEP air discharge permit (#21345-020001).

3.2 GROUNDWATER PUMP-AND-TREAT SYSTEM

A groundwater pump-and-treat system went on line on July 8, 2002. The system consists of two recovery wells, RW-1 and RW-2, equipped with electric submersible groundwater pumps that pump to a treatment system consisting of an air stripper, two solids filters, and two granular activated carbon units. A process and instrumentation diagram (P&ID) of the system is included as Figure 3, illustrating both the groundwater system and the AS/SVE system.

Following startup on July 8, 2002, the groundwater pump-and-treat system operated through the remainder of the reporting period. A summary of the system operating parameters collected during weekly system visits are listed in Table 2, and include system status, flow meter readings, and cumulative gallons pumped. The system operated at an overall average flow rate of approximately 4.8 gallons per minute, with total pumping equaling approximately 1.8 million gallons of groundwater and approximately 0.074 pounds of chlorinated hydrocarbons removed during the reporting period. A summary of the chlorinated hydrocarbon mass removal is provided in Table 3.

The treated groundwater is piped to the sanitary sewer which leads to the local public works, the Two Rivers Reclamation Authority. The system operated in compliance with the water discharge limitations set by the Two Rivers Reclamation Authority (Permit# 02-0226), as well as the air discharge limitations for the air stripper (NJDEP Air Permit #21345-020001). The laboratory analytical reports for the monthly system samples are included in Appendix A.

The groundwater system was successful in maintaining hydraulic control of the shallow source area. Quarterly water table contour maps for the reporting period for both the shallow and deep wells are included as Figures 5 – 12. Figures 7, 9, and 11 illustrate the shallow water table contours under the pumping conditions of the operating system. As compared to Figure 5 that shows the pre-pumping groundwater conditions, the hydraulic influence of the pumping system is clearly shown in Figures 7, 9, and 11.

4.0 GROUNDWATER SAMPLING

Monthly groundwater sampling was conducted throughout the reporting period. The groundwater sampling was conducted in accordance with NJDEP's Technical Requirements and

the NJDEP's Field Sampling Procedures Manual. The groundwater sampling was completed by TECOM-Vinnell Services, Inc. (TVS), and the samples were analyzed by Fort Monmouth Directorate of Public Works (DPW) Environmental Testing Laboratory (NJDEP cert. #13461).

Prior to sampling, the monitoring wells were gauged for depth to water. The gauging data was used to construct quarterly shallow and deep groundwater contour maps that are included as Figures 5, 6, 7, 8, 9, 10, 11, and 12. The gauging data collected on May 31, 2002 and used to construct Figure 5 represents non-pumping conditions at the site. Figure 5 shows a north/northeast groundwater flow direction in the shallow water table aquifer. As stated previously, the remaining shallow contour maps (Figures 7, 9, and 11) are from dates after the startup of the groundwater pumping system and illustrate the hydraulic influence of the pumping system.

Groundwater contours in the deeper zone are illustrated on Figures 6, 8, 10, and 12, and indicate a north to northeast groundwater flow direction in the deeper zone.

The following wells were sampled on all twelve monthly sampling dates: CW1MW-26, 27, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 281, 282, and 291. Monitoring wells CW1MW-28 and 29 were sampled on September 30, 1992, December 17, 2002, and March 28, 2003. All monitoring well samples were analyzed for volatile organic compounds plus a library search (VOCs+15) via USEPA Method 624. In addition, monitoring well samples were analyzed for metals by Standard Methods (18th ed.), Method 3120B, 3112B on the following dates: May 31, 2002, September 30, 2002, November 12, 2002, and February 25, 2003.

The groundwater sampling analytical results for the shallow wells are summarized in Table 3, and the deep well results are listed in Table 4. The field sampling data sheets and the laboratory analytical reports are included as Appendices B, C, D, E, F, G, H, I , J, K, L, and M.

4.1 CONTAMINANTS OF CONCERN

4.1.1 VOLATILE ORGANIC RESULTS

The following wells contained volatile organic compounds on one or more dates at concentrations below the applicable standards:

- CW1MW-32 (downgradient monitoring well) – 1.38 ppb 1,1,1-TCA 5/31/02
- CW1MW-35 (downgradient monitoring well) – 1.4 ppb acetone 10/17/02
- CW1MW-37 (downgradient monitoring well) – 1 ppb TICs 2/26/03
- CW1MW-40 (deep downgradient monitoring well) – 2.01 ppb chloroform 10/18/02; 4 ppb TICs 12/18/02.

The following wells contained trichloroethene above the 1 ppb NJDEP Groundwater Quality Standard (GWQS):

- CW1MW-28 (source area monitoring well)

- CW1MW-281 (deep source area monitoring well)

Only two wells currently exceed any of the volatile organic GWQS: shallow source area monitoring well CW1MW-28, and deep source area monitoring well CW1MW-281. Trichloroethene is the one remaining volatile organic compound of concern. Monitoring well CW1MW-28 contained 4.55 ppb trichloroethene on December 17, 2002, and was non-detect for all volatile organic compounds on the other two dates samples were collected from CW1MW-28, September 30, 2002, and March 28, 2003. Monitoring well CW1MW-281 was sampled on all twelve monthly sampling dates during the reporting period, and trichloroethene ranged from non-detect on two dates to 26.97 ppb on April 30, 2002.

Historical total VOC concentration graphs for source area wells CW1MW-28, 29, and 281 are included as Figures 13 and 14. An overall decreasing trend is apparent in all three wells. Historical compound-specific concentration graphs are included as part of the laboratory data reports included in Appendices B through M.

The following wells were non-detect for all volatile organic compounds during all sampling events during the reporting period (April 2002 through March 2003):

- CW1MW-26, -27, -29, -30, -31, -33, -34, -36, -38, -39, -282, and -291.

4.2 REMAINING ANALYTES

There were no SVOCs, Pesticides or PCBs detected in groundwater at concentrations exceeding the NJDEP criteria.

There were four metals that were detected in site groundwater at concentrations exceeding the NJDEP criteria including aluminum, iron, manganese, and arsenic. As presented in the *Site Investigation Report*, prepared by Weston in 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. The presence of suspended sediment may have yielded slight increases in the dissolved phase concentrations of metals, particularly for the constituents regarded as "non-native" (i.e., arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, vanadium).

Low-flow sampling methodology has been performed at various sites 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" (i.e., arsenic, antimony, beryllium, cadmium, chromium, cobalt, lead, mercury, selenium, silver, thallium, vanadium). Significant decreases in the concentrations of naturally occurring metals also were observed

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 (i.e., those indigenous to the soil types present at Fort Monmouth) were consistently present in the groundwater, even when the low-flow sampling methodology was employed.

The four different metals that were detected in site groundwater at concentrations exceeding the New Jersey GWQC are distinguished into background and non-native metals. Three (3) metals (aluminum, iron, and manganese) 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.

Arsenic was the only non-native metal detected in site groundwater that exceeded the NJDEP criteria. During the reporting period, the 8 ppb GWQS was only exceeded in deep wells CW1MW-39, 40, and 281. The highest arsenic concentration during the reporting period was recorded in CW1MW-39 (26.9 ppb on 5/31/02). Arsenic was present in several of the shallow wells, but not at concentrations above 8 ppb.

Overall, the metals distribution do not suggest an association with the former lime pit as the source of the concentrations. The metals distribution is generally widespread and is more indicative of natural background conditions or a regional source, rather than the former lime pit as the point source and are therefore not considered contaminants of concern.

5.0 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REVIEW

In order to verify the reliability of the analytical results, Handex reviewed the holding times for each sample and the results of the analysis of method blanks, trip blanks, field blanks, and field duplicate samples. All samples were analyzed by the Fort Monmouth Environmental Testing Laboratory (FMETL) within the prescribed holding time requirements for each analytical method.

Method Blanks

A laboratory method blank accompanied each round of samples collected at the CW-1 site. These method blanks consist of laboratory-grade water that is processed identically to the samples and analyzed with the sample batch. At least one method blank was analyzed with each of the twelve sampling rounds. The method blanks were analyzed for volatile organic compounds (VOCs) plus a library search for tentatively identified compounds (TICs).

Acetone was detected in two of the method blanks, one method blank sample from the January 2003 sampling event and one method blank sample from the March 2003 sampling event. Acetone was not detected in any of the well samples from these two dates. Acetone is a common laboratory contaminant. Therefore, the reported concentrations of acetone in the monitoring well samples should not be considered an accurate reflection of the actual groundwater concentrations of these compounds.

No semi-volatile organic compounds (SVOCs) were detected in any method blank samples during the current sampling rounds.

In addition to VOCs, the method blanks were also analyzed for pesticides/PCBs and metals on a quarterly basis. No pesticides or PCBs were detected in any method blank samples during the current sampling rounds.

Several metals were detected in at least one method blank sample, including aluminum, barium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, lead, potassium, selenium, silver, sodium, and zinc. All metals in the method blanks were detected at concentrations below the NJDEP groundwater quality criteria.

Trip Blanks

A trip blank accompanied each round of samples collected at the CW-1 site to document that volatile organics were not introduced into the samples during the handling process. The trip blanks were prepared by the FMETL and consisted of sample bottles filled with laboratory deionized water. The trip blanks remained with the sample bottles in coolers and were returned to the laboratory for analysis with the groundwater samples.

Two VOCs were detected in the trip blanks. Methylene Chloride was detected in trip blanks for seven of the sampling rounds, and each of the detected concentrations exceeded the NJDEP criteria.

Methylene chloride is a common laboratory contaminant and was also found in several field blank samples, but not detected in any monitoring well groundwater samples. The primary contaminant of concern for the CW-1 site, trichloroethene, 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 document equipment decontamination procedures. One field blank was collected during each of the sampling rounds conducted at the CW-1 site. The field blanks were collected by rinsing deionized water, supplied by the laboratory, over the sampling equipment used for each day's activities. The water was collected in clean laboratory-supplied sample jars and submitted for analysis along with the groundwater samples.

Two VOCs, chloroform and methylene chloride, were detected in field blank samples from seven of the twelve sampling events. All concentrations of chloroform in seven field blank samples were below the NJDEP criteria. Methylene chloride was detected in seven field blank samples, and exceeded the NJDEP criteria in three of those samples. Methylene chloride was not detected in any of the groundwater samples, suggesting the contamination originated at the laboratory prior to the field.

Chloroform was only detected in one groundwater sample (MW-40 during the October 2002 sampling event). Chloroform was also detected in the October 2002 field blank samples. Therefore, the reported concentration of chloroform in the MW-40 sample in October 2002 should not be considered an accurate reflection of the actual groundwater quality.

Several metals were detected in at least one field blank sample, including aluminum, barium, cadmium, calcium, chromium, copper, iron, magnesium, manganese, lead, potassium, selenium, silver, sodium, vanadium, and zinc. All of the metals in the field blanks were detected at concentrations below the NJDEP criteria.

Duplicate Samples

One field duplicate sample was also collected during each of the sampling events to verify the consistency of the entire sampling and analytical procedure. The VOC results for all of the duplicate samples were close to those obtained for the original samples. On 10 of the twelve sampling dates, both the original and field duplicate samples were non-detect for all VOC compounds.

The duplicate samples were collected from the following wells:

- April 30, 2002: MW-291
- May 31, 2002: MW-31
- June 27, 2002: MW-38
- July 29, 2002: MW-26
- August 30, 2002: MW-26
- September 30, 2002: MW-39
- October 17, 2002: MW-26
- October 18, 2002: MW-281
- November 12, 2002: MW-33
- November 14, 2002: MW-38
- December 17, 2002: MW-291
- December 18, 2002: MW-38
- January 27, 2003: MW-26
- January 29, 2003: MW-38
- February 25, 2003: MW-26
- March 28, 2003: MW-29

Calculating the relative percent difference (RPD) in total VOC concentrations between the

duplicate sample and the original groundwater sample was possible for two of the sampling rounds. The RPD for tetrachloroethane between the duplicate sample and the original groundwater sample for the May 2002 sampling event was 6.5%. The RPD for tetrachloroethene concentrations between the duplicate sample and the original groundwater sample for the October 2002 sampling event was 56.3%. No other VOCs were detected in the duplicate and original samples for these two sampling events. During the ten other sampling events, either the duplicate sample or the original groundwater sample was non-detect for all VOCs, and therefore the RPD could not be calculated.

In addition to VOCs, the duplicate samples were also analyzed for metals. The RPDs for metals between the duplicate samples and the original groundwater samples ranged from 0% to 111.1%. However, the average RPD for all of the metals results is 7%.

6.0 CONCLUSIONS

- The GWQS for VOCs are currently met in all but two of the monitoring wells, source area wells CW1MW-28 and 281, located adjacent to the former lime pit.
- Trichloroethene is currently the one remaining VOC above the GWQS.
- The groundwater pumping system is hydraulically controlling the soluble-phase concentrations in the shallow source area as demonstrated by Figures 7, 9, and 11.
- The AS/SVE system continues to remove VOC mass from the source area as illustrated in Figure 4.
- While the current systems will continue to control and remove mass, most of the VOCs have been removed, and an evaluation of other remedial approaches is warranted.
- Four metals are present above the GWQS. As previously observed, the widespread distribution of metals indicate that the former lime pit is not a contributing source of the metals. Concentrations are consistent with background metal concentrations previously identified in the Charles Woods Area.

7.0 RECOMMENDATIONS

- Evaluate alternate remedial approaches such as natural attenuation or enhanced bioremediation to reach closure for VOCs.
- Petition NJDEP to turn off operating systems by 2nd Quarter 2005 to allow the collection of non-pumping samples under static conditions including bio-geochemical parameters to determine the feasibility of natural attenuation, and/or enhanced bioremediation.
- Reduce groundwater sampling as proposed. The current groundwater sampling program as currently being implemented is outlined below.

7.1 Amended Sampling Program

Various changes to the groundwater-sampling program were outlined in the previous RAPR and

have been implemented beginning in the second quarter of 2003. These changes include a reduction from monthly to quarterly sampling, a reduction in the number of wells sampled from 18 to 12, and a reduction in the analytical parameters. A table outlining the specific changes to the groundwater-sampling program is shown below.

Sampling Program Summary

Monitoring Well	Was Analyzed:	Current Sampling:	Reason for Discontinuing Sampling
CW1-MW26	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW27	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW28	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW29	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW30	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW31	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW32	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW33	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Discontinue Sampling	26 consecutive rounds of ND VOC results
CW1-MW34	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW35	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW36	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Discontinue Sampling	Historical ND VOC results – all 33 rounds
CW1-MW37	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Discontinue Sampling	Historical ND VOC results for COCs – all 33 rounds
CW1-MW38 (D)	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Discontinue Sampling	Historical ND VOC results for COCs – all 33 rounds
CW1-MW39 (D)	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Discontinue Sampling	Historical ND VOC results for COCs – all 33 rounds
CW1-MW40 (D)	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW281 (D)	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA
CW1-MW282	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Discontinue Sampling	52 consecutive rounds of ND results for VOCs
CW1-MW291	Monthly for VOCs; Quarterly for SVOCs, pesticides/PCBs, Metals	Quarterly for VOCs.	NA

Notes: (D) = Deep Well

FIGURES

TABLES

Table 1
Soil Vapor Extraction System Data
CW-1-Building 2700
Fort Monmouth, NJ

DATE	SYSTEM UP/DOWN	APPLIED VACUUM ("H20)	AIR FLOW (cfm)	SYSTEM INFLUENT Concentratio (ppm)*	Equivalent Hydrocarbons Recovered (lbs/day)	Cumulative Equivale Hydrocarbons Recovered (lbs.)
04/05/02	Up	28	5500	1	0.06	28.8
04/12/02	Up	26	5600	1	0.06	29.2
04/19/02	Up	25	5800	0	0.00	29.6
04/25/02	Up	26	5700	0	0.00	29.6
05/02/02	Up	28	5500	0	0.00	29.6
05/10/02	Up	26	5600	1	0.06	29.6
05/17/02	Up	26	5700	1	0.06	30.1
05/22/02	Up	33	5100	4	0.22	30.4
05/31/02	Up	30	5400	3	0.18	32.4
06/05/02	Up	25	5700	4	0.25	33.3
06/14/02	Down/Up	33	5300	0	0.00	35.4
06/21/02	Up	35	5500	2	0.12	35.4
06/28/02	Up	36	5400	0	0.00	36.2
07/05/02	Up	35	5400	1	0.06	36.2
07/08/02	Up	NA	6400	4	0.62	36.4
07/09/02	Up	53	6400	3	0.47	37.0
07/10/02	Up	NA	6400	4	0.62	37.6
07/15/02	Up	NA	6500	3	0.48	40.8
07/19/02	Up	49	6500	6	0.95	42.6
07/24/02	Up	49	6800	3	0.50	47.5
08/02/02	Up	48	7000	2	0.34	51.7
08/07/02	Up	47	6900	2	0.34	53.5
08/16/02	Up	44	7000	0	0.00	56.6
08/23/02	Up	43	7000	0	0.00	56.6
08/29/02	Up	70	4500	3	0.33	56.6
09/06/02	Up	71	4100	3	0.30	59.1
09/13/02	Up	56	5500	3	0.40	61.3
09/20/02	Up	57	6500	3	0.48	64.1
09/27/02	Up	59	6500	3	0.48	67.5
10/03/02	Up	NA	8000	2	0.39	70.2
10/10/02	Up	45	8000	2	0.39	73.1
10/18/02	Down/Up	57	7800	4	0.76	76.1
10/25/02	Up	44	8000	2	0.39	81.4
11/01/02	Up	39	5600	2	0.27	84.1
11/06/02	Up	35	4400	4	0.43	85.5
11/12/02	Up	36	4600	2	0.22	88.0
11/22/02	Up	47	4100	2	0.20	90.3
11/29/02	Up	44	4100	2	0.20	91.7
12/06/02	Up	54	3200	1	0.08	93.1
12/11/02	Up	55	3100	1	0.08	93.5
12/20/02	Down/Up	58	3500	2	0.17	94.1
01/03/03	Down/Up	56	4500	2	0.22	96.5
01/10/03	Down/Up	43	4300	2	0.21	98.1
01/17/03	Up	49	4100	2	0.20	99.6
01/24/03	Up	47	4100	2	0.20	101.0
01/31/03	Up	45	4800	2	0.23	102.3
02/07/03	Up	NA	4600	2	0.22	104.0
02/14/03	Up	43	5000	2	0.24	105.6
02/21/03	Up	45	4800	2	0.23	107.3
02/28/03	Down/Up	54	4500	1	0.11	108.9
03/07/03	Up	53	4500	1	0.11	109.7
03/14/03	Up	42	4000	1	0.10	110.4
03/20/03	Up	NA	3700	1	0.09	111.0
03/28/03	Up	23	5000	0	0.00	111.8

NOTES: Down/Up = System down upon arrival, but restarted by Technician

* Concentration data are from field measurements recorded with a organic vapor analyzer (OVA).

TABLE 2
GROUNDWATER SYSTEM FLOW SUMMARY
CW-1 BUILDING 2700
FORT MONMOUTH, NJ

Monitor Date	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
07/08/2002	Down	Up	2506	2506	15036.00	
07/09/2002	Up	Up	10351	10351	15690.00	
07/10/2002	Up	Up	26914	26914	16563.00	
07/19/2002	Up	Up	115460	115460	9838.44	
07/24/2002	Up	Up	172413	172413	11390.60	
08/02/2002	Up	Up	253372	253372	8995.44	
08/07/2002	Up	Up	285160	285160	6357.60	
08/16/2002	Up	Up	361615	361615	8495.00	
08/23/2002	Up	Up	416923	416923	7901.14	
08/29/2002	Up	Up	466137	466137	8202.33	
09/06/2002	Up	Up	538037	538037	8987.50	
09/13/2002	Up	Up	570802	570802	4680.71	
09/20/2002	Up	Up	637489	637489	9526.71	
09/27/2002	Up	Up	695495	695495	8286.57	
10/03/2002	Up	Up	743114	743114	7936.50	
10/10/2002	Up	Up	794495	794495	7340.14	
10/18/2002	Up	Up	840603	840603	5763.50	
10/25/2002	Up	Up	895330	895330	7818.14	
11/01/2002	Up	Up	958103	958103	8967.57	
11/06/2002	Up	Up	997675	997675	7914.40	
11/12/2002	Up	Up	41372	1041372	7282.83	
11/22/2002	Up	Up	86310	1086310	4493.80	
11/29/2002	Up	Up	118485	1118485	4596.43	
12/06/2002	Down	Up	142224	1142224	3391.29	System down on high water alarm.
12/11/2002	Down	Up	147229	1147229	1001.00	System down on floor sump high water alarm.
12/20/2002	Down	Down	147687	1147687	50.89	System down on floor sump high water alarm. Repaired leak. System offline for glue to set.
12/26/2002	Down	Up	147900	1147900	35.50	Restart system.
01/03/2003	Up	Up	204362	1204362	7057.75	
01/10/2003	Up	Up	259701	1259701	7905.57	
01/17/2003	Up	Up	317763	1317763	8294.57	
01/24/2003	Up	Up	377520	1377520	8536.71	
01/31/2003	Up	Up	433527	1433527	8001.00	
02/07/2003	Up	Up	495606	1495606	8868.43	
02/14/2003	Up	Up	546482	1546482	7268.00	
02/21/2003	Up	Up	592744	1592744	6608.86	
02/28/2003	Down	Up	612202	1612202	2779.71	
03/07/2003	Up	Up	665634	1665634	7633.14	
03/14/2003	Up	Up	690034	1690034	3485.71	
03/20/2003	Up	Up	738446	1738446	8068.67	
03/28/2003	Up	Up	803446	1803446	8125.00	

Table 3
CW-1 Groundwater System
Total Chlorinated Hydrocarbons Removed in Pounds (Lbs.)

Monitor Date	Total Chlorinated Hydrocarbon Influent Conc. (ug/l)	Total Chlorinated Hydrocarbon Influent Conc. (mg/l)	Total Flow meter reading (gals.)	Total flow for each sampling period (gals.)	Conversion Factor 3.7851 Liters/gal. (liters)	Conversion Factor	Chlorinated Hydrocarbons Removed (Lbs.)	TOTAL Chlorinated Hydrocarbons Recovered (Lbs.)
7/18/2002 startup	175.51	0.17551	27,346	27,346	7,224.64	1 lb. /453,600 mg	0.0028	**0.0028**
08/07/2002	64.07	0.06407	257,814	230,468	60,888.22	1 lb. /453,600 mg	0.0086	**0.0114**
09/13/2002	59.5	0.0595	581,644	323,830	85,553.88	1 lb. /453,600 mg	0.0112	**0.0226**
10/10/2002	136.07	0.13607	816,536	234,892	62,057.01	1 lb. /453,600 mg	0.0186	**0.0412**
11/22/2002	40.16	0.04016	1,127,525	310,989	82,161.37	1 lb. /453,600 mg	0.0073	**0.0485**
12/20/2002	37.41	0.03741	1,194,660	67,135	17,736.65	1 lb. /453,600 mg	0.0015	**0.0500**
01/24/2003	94.54	0.09454	1,375,195	180,535	47,696.23	1 lb. /453,600 mg	0.0099	**0.0599**
02/21/2003	48.68	0.04868	1,590,419	215,224	56,860.85	1 lb. /453,600 mg	0.0061	**0.0660**
03/20/2003	48.87	0.04887	1,865,195	274,776	72,594.12	1 lb. /453,600 mg	0.0078	**0.0738**

NOTES:
Chlorinated Hydrocarbons include Trichloroethene (TCE); cis-1,2-Dichloroethene (DCE); 1,1,1-Trichloroethane (TCA)
Influent concentrations are assumed to be constant over period of groundwater flow readings
TOTAL Chlorinated Hydrocarbons Recovered (Lbs.) = influent concentration x volume of water extracted x conversion factors

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID:		**MW26**			**Casing Elevation:**	**62.46**												
04/23/97	8.60	53.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/97	8.98	53.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/97	9.45	53.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/06/98	9.05	53.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/98	8.30	54.16	1.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.04
04/20/98	8.29	54.17	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.09
04/27/98	8.45	54.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/04/98	8.24	54.22	1.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.12
05/19/98	8.18	54.28	3.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.04
06/01/98	8.49	53.97	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56
06/16/98	NA	NA	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.08
06/29/98	8.73	53.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	8.86	53.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	9.11	53.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	9.08	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	9.16	53.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	9.50	52.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	9.60	52.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29 (1)	29
09/21/98	9.99	52.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/98	10.01	52.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	10.11	52.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/98	9.73	52.73	27.66	ND	31.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.39
11/23/98	9.75	52.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/07/98	10.07	52.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/21/98	10.25	52.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/99	9.70	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/99	9.25	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/99	9.25	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/23/99	9.07	53.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	9.31	53.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	9.42	53.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/99	9.54	52.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/99	9.67	52.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID:		**MW26**	**(continued)**															
08/11/99	9.89	52.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/27/99	9.49	52.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	9.70	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	9.96	52.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	9.76	52.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	9.70	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	9.96	52.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	9.67	52.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	9.44	53.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	9.25	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	9.08	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	9.35	53.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	9.39	53.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	9.18	53.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	9.16	53.30	ND	ND	ND	ND	ND	ND	ND	ND	4.61	ND	ND	ND	ND	ND	ND	4.61
09/08/00	9.42	53.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	9.49	52.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	9.64	52.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	9.63	52.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	9.08	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	8.98	53.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	8.99	53.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/26/01	8.76	53.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	9.06	53.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	8.89	53.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/01	9.15	53.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	9.38	53.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	9.64	52.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	9.89	52.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	10.05	52.41	ND	ND	ND	ND	ND	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.71
12/31/01	10.45	52.01	ND	ND	ND	ND	ND	3.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.05
01/29/02	10.25	52.21	ND	ND	ND	ND	ND	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.31
02/28/02	10.33	52.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	9.78	52.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	9.75	52.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	9.81	52.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	9.56	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	13.07	49.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.99	48.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.90	48.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	12.27	50.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	12.58	49.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	**1 (1)**	**10 (1)**	**100 (1)**	**2 (1)**	**30 (1)**	**6 (1)**	**1 (1)**	**700 (1)**	**600 (1)**	**75 (1)**	**600 (1)**	**600 (1)**	**70 (1)**	**--**	**--**
12/17/02	9.25	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	11.56	50.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	10.85	51.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.13	51.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/26/03	10.38	52.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/06/03	9.88	52.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS

FORT MONMOUTH - CHARLES WOOD AREA

EATONTOWN, NEW JERSEY

All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID:		**MW27**			**Casing Elevation:**	**62.56**												
04/23/97	8.60	53.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/97	9.50	53.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/06/98	8.95	53.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/98	8.10	54.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/98	8.11	54.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/98	8.17	54.39	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
05/04/98	8.01	54.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/19/98	7.76	54.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/01/98	9.20	53.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/16/98	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/98	8.48	54.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	8.67	53.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	8.51	54.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	8.92	53.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	8.98	53.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	10.21	52.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	10.30	52.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/21/98	10.67	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/98	10.73	51.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	10.70	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/98	9.80	52.76	21.44	ND	29.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.62
11/23/98	9.90	52.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/07/98	10.17	52.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/21/98	10.18	52.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/99	9.68	52.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/99	9.15	53.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/99	9.14	53.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/23/99	8.93	53.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	9.17	53.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	9.30	53.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/99	9.44	53.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9 (1)	9.0
07/15/99	9.61	52.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/11/99	9.84	52.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/27/99	9.45	53.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	ND
11/10/99	9.66	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID:		**MW27**	**(continued)**															
12/02/99	9.91	52.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	ND
10/13/99	9.72	52.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	9.66	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	9.91	52.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	9.63	52.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	9.37	53.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	9.19	53.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	8.95	53.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	9.24	53.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	9.31	53.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	9.08	53.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	9.52	53.04	1.46	ND	ND	ND	ND	ND	ND	ND	5.78	ND	ND	ND	ND	ND	ND	7.24
09/08/00	9.32	53.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND
10/24/00	9.34	53.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	9.58	52.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15/15/00	9.57	52.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	8.95	53.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	8.84	53.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	8.85	53.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/26/01	8.54	54.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	8.89	53.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	8.71	53.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/01	9.00	53.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	9.20	53.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.89	ND	ND	ND	ND	ND	2.89
09/28/01	9.57	52.99	ND	ND	ND	ND	ND	1.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.28
10/31/01	9.83	52.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	10.00	52.56	ND	ND	ND	ND	ND	3.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.06
12/31/01	10.30	52.26	19.07	ND	ND	ND	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.97
01/29/02	10.17	52.39	1.8	ND	ND	ND	ND	3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.74
02/28/02	10.25	52.31	7.14	ND	ND	ND	ND	4.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.62
03/28/02	9.20	53.36	2.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.84
04/30/02	9.64	52.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	9.70	52.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	9.57	52.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	12.99	49.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.91	48.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.77	48.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/02	12.22	50.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	12.48	50.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	9.11	53.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	11.38	51.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	10.52	52.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.03	51.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS

FORT MONMOUTH - CHARLES WOOD AREA

EATONTOWN, NEW JERSEY

All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID:		**MW28**			**Casing Elevation:**	**62.89**												
04/23/97	9.05	53.84	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.42
07/07/97	9.20	53.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/97	9.70	53.19	59.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.37
01/06/98	9.40	53.49	27.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.73
04/13/98	8.40	54.49	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.42
04/20/98	8.43	54.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/98	8.52	54.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/04/98	8.33	54.56	2.57	ND	1.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.32
05/19/98	8.09	54.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/01/98	9.68	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/98	8.92	53.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	9.13	53.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	9.15	53.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	9.44	53.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	9.51	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	10.70	52.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	10.81	52.08	1.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.44
09/21/98	10.93	51.96	3.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.75
10/05/98	11.00	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	11.15	51.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/98	10.28	52.61	5.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.44
11/23/98	10.40	52.49	13.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.1
12/07/98	10.57	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	NA	33.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.9
12/21/98	10.66	52.23	9.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.41
01/11/99	10.16	52.73	14.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.96
01/25/99	9.63	53.26	20.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.18
02/25/99	9.61	53.28	21.28	ND	1.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.28
03/23/99	9.38	53.51	7.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.15
04/29/99	9.65	53.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	9.79	53.10	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1
06/10/99	9.91	52.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9 (1)	9.0

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID:		**MW28**	**(continued)**															
07/15/99	10.10	52.79	27.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	27.44
08/11/99	10.32	52.57	297.82	ND	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	299.41
09/27/99	9.94	52.95	130.94	ND	24.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.07
10/13/99	NA	NA	165.5 E	ND	8.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	174.46
11/10/99	10.13	52.76	208.05 E	ND	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	233.45
12/02/99	10.41	52.48	66.59	ND	13.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	80.16
10/13/99	10.21	52.68	141.46	ND	8.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150.42
11/10/99	10.13	52.76	174.48	ND	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	199.88
12/02/99	10.41	52.48	66.59	ND	13.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80.16
01/12/00	10.10	52.79	67.35	ND	7.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.21
02/16/00	9.84	53.05	103.32	ND	4.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107.56
03/21/00	9.67	53.22	106.66	ND	3.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	109.86
04/27/00	9.40	53.49	29.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.30
05/17/00	9.75	53.14	8.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.48
06/14/00	9.79	53.10	21.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.88
07/31/00	9.55	53.34	129.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	129.89
08/23/00	9.06	53.83	43.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.36
09/08/00	9.82	53.07	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.80
10/24/00	9.84	53.05	9.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.79
11/27/00	10.02	52.87	70.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.95
12/15/00	10.05	52.84	36.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.63
01/29/01	9.44	53.45	19.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.57
02/15/01	9.31	53.58	9.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.23
03/14/01	9.31	53.58	4.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.64
04/26/01	9.02	53.87	ND	ND	ND	ND	ND	3.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.91
05/24/01	9.36	53.53	ND	ND	ND	ND	ND	2.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.83
06/20/01	9.15	53.74	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.57
07/12/01	9.45	53.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	9.77	53.12	3.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.32
09/28/01	10.07	52.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	10.35	52.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	10.49	52.40	26.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.2
12/31/01	10.84	52.05	8.25	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.85
01/29/02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/28/02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/28/02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/30/02	13.62	49.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	7.35	55.54	4.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.55
03/28/03	11.02	51.87	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID:		**MW29**			**Casing Elevation:**	**62.44**												
04/23/97	8.90	53.54	3,212	1.74	47.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6(1)	3,260.91
07/07/97	9.30	53.14	7,423	7.75	92.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,523.22
10/01/97	9.98	52.46	7,836	5.75	290.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,131.77
01/06/98	9.10	53.34	1,987	ND	69.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,056.81
04/13/98	8.40	54.04	96.25	ND	6.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102.52
04/20/98	8.43	54.01	28.19	ND	3.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.68
04/27/98	8.50	53.94	30.71	ND	2.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.14
05/04/98	8.09	54.35	41.49	ND	6.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47.89
05/19/98	8.08	54.36	14.80	ND	2.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.34
06/01/98	9.58	52.86	13.49	ND	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.73
06/16/98	NA	53.24	90.34	ND	12.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	103.22
06/29/98	8.82	53.62	14.95	ND	2.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.33
07/13/98	8.25	54.19	35.68	ND	4.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.22
07/27/98	8.29	54.15	29.71	ND	6.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.35
08/10/98	9.18	53.26	100.44	ND	50.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150.49
08/13/98	9.26	53.18	496.93	ND	88.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	585.30
08/24/98	10.59	51.85	42.97	ND	27.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.35
09/07/98	10.60	51.84	56.45	ND	25.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	81.78
09/21/98	10.94	51.50	50.97	ND	25.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76.51
10/05/98	10.99	51.45	10.11	ND	4.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.61
10/19/98	11.04	51.40	47.69	ND	31.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	79.47
11/12/98	9.50	52.94	36.48	ND	46.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	82.76
11/23/98	10.83	51.61	73.42	ND	51.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124.58
12/07/98	10.17	52.27	69.81	ND	89.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	158.92
12/15/98	NA	NA	374.58	ND	153.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	528.43
12/21/98	10.32	52.12	96.48	ND	54.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	151.20
01/11/99	9.79	52.65	960.40	ND	164.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,125.36
01/25/99	9.30	53.14	987.23	ND	128.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,115.37
02/25/99	9.34	53.10	1,789.94	ND	88.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,878.88
03/23/99	9.09	53.35	1,342	ND	126.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,468.68
04/29/99	9.40	53.04	2,167	ND	156.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,323.47
05/27/99	9.59	52.85	950	ND	80.23	ND	ND	ND	ND	ND	ND	ND	1.03	ND	5.08	ND	ND	1,030.28
06/10/99	9.63	52.81	1,843	ND	245.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,087.79
07/15/99	9.76	52.68	752	ND	457.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,210.16

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID:		**MW29**	**(continued)**															
08/11/99	10.00	52.44	288	ND	523.43	ND	ND	ND	ND	ND	ND	ND	ND	2.37	3.78	ND	ND	811.54
09/27/99	9.61	52.83	119	ND	149.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	267.73
10/13/99	NA	52.73	99.62	ND	183.14	ND	ND	ND	ND	ND	ND	ND	ND	2.07	ANR	ND	ND	284.83
11/10/99	9.81	52.63	62.96	ND	746.3	ND	ND	ND	ND	ND	ND	ND	4.05	3.9	5.44	ND	ND	822.65
12/02/99	10.07	52.37	70.63	ND	286.62	ND	ND	ND	ND	ND	ND	ND	3.84	2.71	ANR	ND	ND	363.80
10/13/99	9.86	52.58	99.62	ND	183.14	5.87	2.07	ND	ND	ND	ND	ND	ND	2.07	ND	ND	ND	292.77
11/10/99	9.81	52.63	62.96	ND	746.3	3.06	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	813.99
12/02/99	10.07	52.37	70.63	ND	282.62	1.75	1.05	ND	ND	ND	ND	ND	3.84	2.71	ND	ND	ND	362.60
01/12/00	9.77	52.67	42.74	ND	186.58	1.95	ND	ND	ND	ND	ND	ND	ND	1.09	ND	ND	ND	232.36
02/16/00	9.54	52.90	41.51	ND	175.38	ND	ND	ND	ND	ND	ND	ND	ND	1.47	ND	ND	ND	218.36
03/21/00	9.35	53.09	97.50	ND	120.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	218.16
04/27/00	9.12	53.32	174.54	ND	118.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	293.01
05/17/00	9.47	52.97	357.72	ND	186.08	5.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	549.00
06/14/00	9.52	52.92	775.38	ND	335.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,111.21
07/31/00	9.25	53.19	78.43	ND	103.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	182.00
08/23/00	9.24	53.20	263.49	ND	352.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	615.59
09/08/00	9.53	52.91	225.03	ND	242.72	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	467.75
10/24/00	9.56	52.88	843.88	ND	250.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,094.21
11/27/00	9.71	52.73	54.06	ND	96.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150.61
12/15/00	9.73	52.71	119.41	ND	138.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	257.57
01/29/01	9.19	53.25	289.79	ND	91.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	381.09
02/15/01	9.09	53.35	1951.41	ND	250.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,202.03
03/14/01	9.09	53.35	2538.62	ND	113.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,652.15
04/26/01	8.83	53.61	75.98	ND	4.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80.43
05/24/01	9.14	53.30	470.48D	ND	66.54	3.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	540.74
06/20/01	8.90	53.54	344.05D	ND	51.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	395.60
07/12/01	9.20	53.24	360.20D	ND	55.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	415.20
08/22/01	9.44	53.00	2040.65DD	ND	340.29D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,380.94
09/28/01	9.70	52.74	67.01	ND	44.23	ND	ND	4.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	115.88
10/31/01	9.92	52.52	211.46D*	ND	287.29D*	ND	ND	2.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	501.19
11/16/01	10.08	52.36	67.36	ND	118.26D*	ND	ND	3.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	188.64
12/31/01	10.45	51.99	91.36	ND	677.24D*	1.59	ND	2.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	773.17
01/29/02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/28/02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/28/02	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/30/02	12.91	49.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	6.88	55.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	10.25	52.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID:		**MW282**			**Casing Elevation:**	**61.47**												
04/22/97	8.30	53.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
07/09/97	8.85	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
10/02/97	9.40	52.07	ND	ND	ND	ND	ND	ND	ND	3.21	ND	ND	ANR	ANR	ANR	ND	ND	3.21
01/07/98	8.85	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
04/13/98	7.60	53.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
04/20/98	7.59	53.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
04/27/98	7.64	53.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
05/04/98	7.44	54.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
05/19/98	6.39	55.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
06/01/98	8.62	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
06/16/98	7.84	53.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
06/29/98	8.10	53.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
07/13/98	8.31	53.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
07/27/98	8.34	53.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
08/10/98	8.70	52.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
08/13/98	8.79	52.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
08/24/98	9.70	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
09/07/97	9.93	51.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	31 (1)	31
09/21/98	10.00	51.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
10/05/98	10.04	51.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
10/19/98	10.19	51.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
11/12/98	9.58	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
11/23/98	9.65	51.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
12/07/98	9.98	51.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
12/15/98	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND	ND
12/21/98	10.10	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/99	9.56	51.91	3.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.42
01/25/99	8.88	52.59	15.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.70
03/23/99	8.95	52.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	9.00	52.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	9.10	52.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13 (1)	13
06/10/99	9.29	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8 (1)	8
07/15/99	9.53	51.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID:		**MW282**	**(continued)**															
08/11/99	9.79	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/27/99	9.37	52.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	NA	52.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	ND
11/10/99	9.58	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	9.84	51.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	ND
10/13/99	9.64	51.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	9.58	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	9.84	51.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	9.51	51.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	9.19	52.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	9.05	52.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	8.80	52.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	5.51	55.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	9.18	52.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	8.87	52.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	8.89	52.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	9.20	52.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	9.23	52.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	9.34	52.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	9.49	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	8.83	52.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	8.79	52.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	8.62	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/26/01	8.25	53.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	8.66	52.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	8.37	53.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/01	9.80	51.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	9.15	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	9.70	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	9.80	51.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	9.94	51.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/31/01	10.28	51.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	10.12	51.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	10.17	51.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	9.58	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	4.53	56.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	9.65	51.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	9.50	51.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	10.93	50.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	11.05	50.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	11.50	49.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	10.28	51.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	10.58	50.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	**1 [1]**	**10 [1]**	**100 [1]**	**2 [1]**	**30 [1]**	**6 [1]**	**1 [1]**	**700 [1]**	**600 [1]**	**75 [1]**	**600 [1]**	**600 [1]**	**70 [1]**	--	--
12/17/02	8.85	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	9.55	51.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	9.18	52.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	9.29	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID		**MW291**			**Casing Elevation:**	**63.38**												
04/22/97	11.15	52.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/97	11.40	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/02/97	11.70	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/98	11.40	51.98	ND	ND	ND	ND	ND	ND	ND	1.75	ND	ND	ND	ND	ND	ND	ND	1.75
04/13/98	8.70	54.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/98	8.69	54.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/98	10.75	52.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/04/98	8.47	54.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/19/98	10.27	53.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/01/98	11.83	51.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/16/98	10.48	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/98	10.98	52.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	11.09	52.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	11.11	52.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	11.31	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	11.39	51.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	12.92	50.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	13.00	50.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/21/98	13.09	50.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/98	13.15	50.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	13.19	50.19	ND	ND	ND	ND	ND	ND	1.36	ND	ND	ND	ND	ND	ND	ND	ND	1.36
11/12/98	11.89	51.49	ND	ND	ND	ND	ND	ND	7.37	1.37	ND	ND	ND	ND	ND	ND	ND	8.74
11/23/98	11.98	51.40	ND	ND	ND	ND	ND	ND	5.81	1.31	ND	ND	ND	ND	ND	ND	ND	7.12
12/07/98	12.04	51.34	ND	ND	ND	ND	ND	ND	10.13	2.25	ND	ND	ND	ND	ND	ND	ND	12.38
12/15/98	NA	51.24	ND	ND	ND	ND	ND	ND	7.41	1.79	ND	ND	ND	ND	ND	ND	ND	9.20
12/21/98	12.24	51.14	ND	ND	ND	ND	ND	ND	1.58	ND	ND	ND	ND	ND	ND	ND	ND	1.58
01/11/99	11.81	51.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/99	9.40	53.98	ND	ND	ND	ND	ND	ND	2.02	ND	ND	ND	ND	ND	ND	ND	ND	2.02
02/25/99	11.64	51.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/23/99	11.28	52.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	11.52	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	11.54	51.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/99	11.68	51.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8 (1)	8.0
07/12/99	11.81	51.57	ND	ND	ND	ND	ND	ND	6.88	ND	ND	ND	ND	ND	ND	ND	ND	6.88

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW291**	**(continued)**															
08/11/99	11.97	51.41	ND	ND	ND	ND	ND	ND	16.13	4.37	ND	ND	ND	ND	ND	ND	ND	20.5
09/27/99	11.62	51.76	ND	ND	ND	ND	ND	ND	3.39	ND	ND	ND	ND	ND	ND	ND	ND	3.39
10/13/99	NA	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	ND
11/10/99	11.79	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	12.01	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND	ND
10/13/99	11.82	51.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	11.79	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	12.01	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	11.79	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	11.61	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	11.48	51.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	11.54	51.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	11.59	51.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	11.61	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	11.31	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	11.33	52.05	1.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.96
09/08/00	11.57	51.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND
10/24/00	11.60	51.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	11.69	51.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	11.80	51.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	11.37	52.01	2.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.52
02/20/01	11.40	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	11.28	52.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/26/01	11.16	52.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	11.38	52.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	11.21	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/01	11.35	52.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	11.59	51.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	11.78	51.60	1.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6
10/31/01	11.97	51.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	12.11	51.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/31/01	12.36	51.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	12.16	51.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	12.32	51.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	11.81	51.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	11.83	51.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	11.87	51.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.02	ND	ND
06/27/02	11.74	51.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.70	ND	ND
07/29/02	13.21	50.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.39	ND	ND
08/30/02	13.68	49.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.78	ND	ND
09/30/02	13.78	49.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.55	ND	ND
10/17/02	12.92	50.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87.84	ND	ND
11/12/02	12.90	50.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.14	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	**1 [1]**	**10 [1]**	**100 [1]**	**2 [1]**	**30 [1]**	**6 [1]**	**1 [1]**	**700 [1]**	**600 [1]**	**75 [1]**	**600 [1]**	**600 [1]**	**70 [1]**	--	--
12/17/02	11.40	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	12.18	51.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	12.04	51.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.94	51.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW30**			**Casing Elevation:**	**63.34**												
08/14/00	10.12	53.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	10.28	53.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.48	ND	ND	ND	ND	ND	3.48*
09/08/00	10.54	52.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	10.49	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	10.73	52.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	10.76	52.58	389.38	ND	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	392.65
01/29/01	10.98	52.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	9.91	53.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	9.94	53.40	2.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.59
04/26/01	9.53	53.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	9.89	53.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	9.67	53.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/01	10.05	53.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	10.41	52.93	1.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.36
09/28/01	10.78	52.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	11.08	52.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	11.26	52.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/31/01	11.64	51.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	11.48	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	11.59	51.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	10.95	52.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	10.93	52.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	10.96	52.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	10.79	52.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	12.64	50.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.07	50.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.25	50.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	12.16	51.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	12.27	51.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	10.21	53.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	11.16	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	10.81	52.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	10.87	52.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS

FORT MONMOUTH - CHARLES WOOD AREA

EATONTOWN, NEW JERSEY

All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW31**			**Casing Elevation:**	**62.72**												
08/14/00	10.06	52.66	67.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67.66
08/29/00	10.19	52.53	13.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.98
09/08/00	10.34	52.38	22.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.54
10/24/00	10.35	52.37	10.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.34
11/27/00	10.46	52.26	139.49	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140.69
12/15/00	10.52	52.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	10.05	52.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	9.96	52.76	29.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.68
03/14/01	9.91	52.81	7.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.28
04/26/01	9.82	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	10.10	52.62	ND	ND	ND	ND	ND	ND	ND	ND	13.27	ND	ND	ND	ND	ND	ND	13.27
06/20/01	9.81	52.91	ND	ND	ND	ND	ND	2.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.22
07/12/01	10.10	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	10.31	52.41	ND	ND	ND	ND	ND	1.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.86
09/28/01	10.54	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	10.74	51.98	243.7D*	ND	40.64	ND	ND	3.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	288.58**
11/16/01	10.90	51.82	358.39D*	ND	128.72D*	ND	ND	2.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	489.92
12/31/01	11.20	51.52	34.9	ND	24.76	ND	ND	4.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.2
01/29/02	10.99	51.73	2.12	ND	1.82	ND	ND	3.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.43
02/28/02	11.09	51.63	ND	ND	ND	ND	ND	2.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.25
03/28/02	10.55	52.17	ND	ND	ND	ND	ND	1.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.32
04/30/02	10.57	52.15	ND	ND	ND	ND	ND	6.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	10.61	52.11	ND	ND	ND	ND	ND	4.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.57
06/27/02	10.45	52.27	ND	ND	ND	ND	ND	1.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	13.04	49.68	ND	ND	ND	ND	ND	1.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.65	49.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.68	49.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	12.37	50.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	12.58	50.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	10.06	52.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	11.80	50.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	11.43	51.29	1.39	ND	ND	ND	ND	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.42	51.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW32**			**Casing Elevation:**	**63.62**												
08/14/00	11.30	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	11.43	52.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	11.55	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	11.57	52.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	11.65	51.97	51.33	ND	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.00
12/15/00	11.75	51.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	11.35	52.27	ND	ND	ND	ND	ND	ND	ND	ND	3.52	ND	ND	ND	ND	ND	ND	ND
02/15/01	11.30	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	11.28	52.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/26/01	11.23	52.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	11.43	52.19	10.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.77
06/20/01	11.19	52.43	12.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.16
07/12/01	11.40	52.22	12.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.59
08/22/01	11.57	52.05	16.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.24
09/28/01	11.74	51.88	9.60	ND	ND	ND	ND	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.65
10/31/01	11.92	51.70	6.11	ND	ND	ND	ND	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.34
11/16/01	12.04	51.58	4.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.91
12/28/01	12.29	51.33	18.91	ND	ND	ND	ND	1.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.03
01/29/02	12.07	51.55	10.48	ND	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.04
02/28/02	12.23	51.39	6.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.38
03/28/02	11.72	51.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	11.75	51.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	11.78	51.84	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND	ND	ND	ND	ND	ND	1.38
06/27/02	11.65	51.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	13.14	50.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.85	49.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.74	49.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	12.84	50.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	12.81	50.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	11.35	52.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	12.01	51.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	12.12	51.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.85	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW33**			**Casing Elevation:**	**63.69**												
08/14/00	11.07	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	11.27	52.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	11.43	52.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	11.46	52.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	11.52	52.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	11.05	52.64	452.17	ND	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	459.67
02/15/01	10.97	52.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	10.92	52.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/26/01	10.93	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/24/01	11.26	52.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	10.99	52.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/01	11.25	52.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/22/01	11.46	52.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	11.67	52.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	11.86	51.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	12.00	51.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/28/01	12.30	51.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	11.97	51.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	12.13	51.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	11.57	52.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	11.68	52.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	11.66	52.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	11.53	52.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	13.02	50.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.58	50.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.61	50.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	12.56	51.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	12.66	51.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	11.13	52.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	11.85	51.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	12.11	51.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.54	52.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS

FORT MONMOUTH - CHARLES WOOD AREA

EATONTOWN, NEW JERSEY

All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW34**			**Casing Elevation:**	**60.07**												
08/14/00	8.64	51.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	8.69	51.38	ND	ND	ND	ND	ND	ND	ND	ND	6.90	ND	ND	ND	ND	ND	ND	6.90
09/08/00	8.78	51.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	7.89	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	8.91	51.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	8.90	51.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	8.40	51.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	8.55	51.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	8.61	51.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	8.55	51.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	8.72	51.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	8.54	51.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	8.70	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	8.83	51.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	8.97	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	9.14	50.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	9.20	50.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/28/01	9.35	50.72	1.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.14
01/29/02	9.20	50.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	9.34	50.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	8.98	51.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	8.99	51.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	9.03	51.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	8.95	51.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	9.59	50.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	9.95	50.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	10.50	49.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.70	ND	ND
10/17/02	9.33	50.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	9.34	50.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.14	ND	ND
12/17/02	8.67	51.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	8.38	51.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	8.71	51.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	8.75	51.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW35**			**Casing Elevation:**	**59.55**												
08/14/00	8.28	51.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	8.36	51.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	8.41	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	8.43	51.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	8.55	51.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	8.58	50.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	8.43	51.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	8.41	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	8.37	51.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	8.35	51.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	8.45	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	8.32	51.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	8.35	51.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	8.45	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	8.55	51.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	8.68	50.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/01	8.80	50.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/28/01	8.92	50.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	9.47	50.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	8.88	50.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	8.60	50.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	8.83	50.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	8.61	50.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	8.54	51.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	9.04	50.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	9.57	49.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	9.50	50.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	8.96	50.59	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	1.4
11/12/02	8.85	50.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	8.41	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	8.55	51.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	8.51	51.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	8.39	51.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	30 [1]	6 [1]	1 [1]	700 [1]	600 [1]	75 [1]	600 [1]	600 [1]	70 [1]	--	--
Well ID		**MW36**			**Casing Elevation:**	**60.15**												
08/14/00	9.06	51.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	8.17	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	9.24	50.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	9.26	50.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	9.42	50.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	9.37	50.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	9.16	50.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	9.08	51.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	9.05	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	8.98	51.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	9.20	50.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	9.05	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	9.15	51.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	9.29	50.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	9.43	50.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	6.71	53.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/16/01	9.66	50.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/28/01	9.85	50.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	9.70	50.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	9.80	50.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	9.45	50.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	9.47	50.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	9.49	50.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	9.41	50.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	9.92	50.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	10.23	49.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	10.25	49.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	9.61	50.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	9.62	50.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	8.10	52.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	9.38	50.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	4.03	56.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	9.11	51.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	30 (1)	6 (1)	1 (1)	700 (1)	600 (1)	75 (1)	600 (1)	600 (1)	70 (1)	--	--
Well ID		**MW37**			**Casing Elevation:**	**59.65**												
08/14/00	8.81	50.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	8.02	51.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	8.05	51.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	9.15	50.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	9.32	50.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	9.20	50.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	8.83	50.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	8.87	50.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	8.75	50.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	8.67	50.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	9.00	50.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/20/01	8.81	50.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	8.9	50.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	9.1	50.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	9.48	50.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	9.65	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/01	9.64	50.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/28/01	9.72	49.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/02	8.77	50.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	9.67	49.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	9.18	50.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	9.05	50.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	9.05	50.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	9.00	50.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	9.61	50.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	10.05	49.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	9.97	49.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/02	6.4	53.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/02	9.91	49.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/02	8.91	50.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/03	9.50	50.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/26/03	9.05	50.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
03/28/03	8.80	50.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
On 12/07/98 and12/21/98, Chloroform was detected in the field and trip blank.
(1) = Groundwater Quality Standard pursuant to N.J.A.C. 7:9-6
TICs = Tentatively identified compounds
VOC = Volatile organic compound
ND = Not detected

TABLE 4

GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS

FORT MONMOUTH - CHARLES WOOD AREA

EATONTOWN, NEW JERSEY

All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	1,1,1-Trichloro-ethane	chloro-form	Bromo-dichloro-methane	Acetone	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	MTBE	VOC TICs	Total VOCs
			1 (1)	**1 (1)**	**10 (1)**	**100 (1)**	**2 (1)**	**30 (1)**	**6 (1)**	**1 (1)**	**700 (1)**	**600(1)**	**75 (1)**	**600 (1)**	**600 (1)**	**70 (1)**	--	--

(#) = Number of TICs identified

NA = Data not available

DTW = Depth to water

NS = Not sampled

NR = No Record

*2-butanone was reported at 3.48 ppb, and in the trip blank at 3.68

E= value above linear range

** 1,1-Dichloroethane was reported at 1.16 ppb

D = Dilution factor of 10.

D* = Dilution factor of 5

DD = Dilution factor of 50

TABLE 5
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	75 (1)	600 (1)	600 (1)	700 (1)	70 (1)	--	--
Well ID		**MW38**			**Casing Elevation:**	**63.50**										
08/15/00	12.13	51.37	ND	ND	ND	ND	ND	2.02	ND	ND	ND	ND	5.35	ND	ND	7.37
08/29/00	12.73	50.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/00	13.06	50.44	ND	ND	ND	ND	ND	2.29	ND	ND	ND	ND	ND	ND	ND	2.29
10/25/00	13.00	50.50	ND	ND	ND	ND	ND	1.15	ND	ND	ND	ND	ND	ND	ND	4.41**
11/28/00	12.60	50.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	12.51	50.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	11.91	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	12.55	50.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	11.64	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	11.66	51.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	12.36	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/21/01	12.09	51.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	12.65	50.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	12.44	51.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	13.63	49.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	14.08	49.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.16***
11/27/01	12.28	51.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/31/01	14.33	49.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/30/02	13.69	49.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	13.98	49.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	12.87	50.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	12.85	50.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	13.16	50.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	13.18	50.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	14.24	49.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	13.91	49.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	13.83	49.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/02	12.40	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/14/02	12.31	51.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/18/02	11.75	51.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/03	12.09	51.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	11.47	52.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.46	52.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	75 [1]	600 [1]	600 [1]	700 [1]	70 [1]	--	--
Well ID		**MW39**			**Casing Elevation:**	**62.93**										
08/15/00	12.45	50.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.60	ND	ND	6.60
08/29/00	13.13	49.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/00	13.47	49.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/00	13.48	49.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	12.89	50.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	12.79	50.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	12.23	50.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	12.54	50.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	12.09	50.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	12.50	50.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	12.87	50.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/21/01	12.62	50.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	13.15	49.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	13.51	49.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	14.06	48.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	14.54	48.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/01	14.76	48.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/31/01	14.77	48.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/30/02	14.20	48.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	14.36	48.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	13.13	49.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	13.16	49.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	13.55	49.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	13.56	49.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	14.69	48.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	14.25	48.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	14.22	48.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/02	12.68	50.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/14/02	12.73	50.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/18/02	12.05	50.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/03	12.86	50.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	11.48	51.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	11.90	51.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	MTBE	VOC TICs	Total VOCs
			1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	75 [1]	600 [1]	600 [1]	700 [1]	70 [1]	--	--
Well ID		**MW40**			**Casing Elevation:**	**63.77**										
08/15/00	13.1	50.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.94	ND	ND	5.94
08/29/00	13.9	49.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/00	14.28	49.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/00	14.19	49.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	13.77	50.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	13.53	50.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.77	ND	ND	7.77
01/31/01	12.2	51.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	13.91	49.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	12.91	50.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	12.47	51.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	13.37	50.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/21/01	13.36	50.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/01	13.75	50.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/01	15.21	48.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/28/01	14.7	49.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/31/01	15.13	48.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/01	15.35	48.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/31/01	15.4	48.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/30/02	14.73	49.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/28/02	15.02	48.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/02	13.87	49.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/02	13.88	49.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/02	14.22	49.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/27/02	14.24	49.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/29/02	15.32	48.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/30/02	14.96	48.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/30/02	14.96	48.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/02	13.36	50.41	ND	ND	ND	ND	ND	2.01	ND	ND	ND	ND	ND	ND	ND	2.01
11/14/02	13.59	50.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/18/02	12.87	50.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	4
01/29/03	13.38	50.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/03	12.59	51.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/28/03	12.63	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	MTBE	VOC TICs	Total VOCs
			1 (1)	**1 (1)**	**10 (1)**	**100 (1)**	**2 (1)**	**6 (1)**	**1 (1)**	**75 (1)**	**600 (1)**	**600 (1)**	**700 (1)**	**70 (1)**	**--**	**--**
Well ID:		**MW281**			**Casing Elevation:**	**62.37**										
04/22/97	8.90	53.47	17.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.88
07/09/97	12.30	50.07	189.95	ND	2.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	192.4
10/02/97	12.80	49.57	42.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.02
01/07/98	10.80	51.57	42.02	10.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.66
04/13/98	10.50	51.87	120.07	ND	1.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	121.48
04/20/98	11.00	51.37	38.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.34
04/27/98	11.17	51.20	49.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.62
05/04/98	10.50	51.87	73.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73.75
05/19/98	10.27	52.10	78.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78.56
06/01/98	11.79	50.58	28.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.17
06/16/98	10.84	51.53	60.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.91
06/29/98	11.31	51.06	58.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58.89
07/13/98	11.69	50.68	25.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.91
07/27/98	11.72	50.65	29.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.96
08/10/98	12.17	50.20	47.91	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.94
08/13/98	12.75	49.62	45.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.03
08/24/98	11.83	50.54	12.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.17
09/07/98	11.90	50.47	5.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.82
09/21/98	11.99	50.38	17.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.43
10/05/98	12.09	50.28	5.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.09
10/19/98	12.17	50.20	33.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.62
11/12/98	13.52	48.85	2.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.67
11/23/98	13.02	49.35	15.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.47
12/07/98	14.25	48.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	NA	6.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1
12/21/98	13.91	48.46	5.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.27
01/11/99	12.76	49.61	7.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.48
01/25/99	11.84	50.53	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.38
02/25/99	11.89	50.48	11.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.56
03/23/99	11.25	51.12	14.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.87
04/29/99	11.89	50.48	15.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.04
05/27/99	12.07	50.30	12.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 (1)	15.08
06/10/99	12.66	49.71	14.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 (1)	24.71
07/15/99	13.09	49.28	5.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.19

TABLE 5
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	MTBE	VOC TICs	Total VOCs
			1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	75 (1)	600 (1)	600 (1)	700 (1)	70 (1)	--	--
Well ID:		**MW281**	**continued**	**Well ID:**												
08/11/99	13.75	48.62	3.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.29
09/27/99	12.97	49.40	5.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.14
10/13/99	13.25	49.12	4.56	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ND	ND	4.56
11/10/99	12.75	49.62	6.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.19
12/02/99	13.01	49.36	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ND	ND	4.67
10/13/99	12.94	49.43	4.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.56
11/10/99	12.75	49.62	6.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.19
12/02/99	13.01	49.36	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.67
01/12/00	12.29	50.08	4.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.19
02/16/00	11.96	50.41	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.67
03/21/00	11.88	50.49	18.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.51
04/27/00	11.58	50.79	7.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.69
05/17/00	12.14	50.23	5.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.51
06/14/00	12.14	50.23	8.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.52
07/31/00	12.09	50.28	6.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.00
08/23/00	12.05	50.32	4.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.06
09/11/00	12.69	49.68	4.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.13
10/25/00	12.71	49.66	2.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.85
11/28/00	12.32	50.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	11.99	50.38	3.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.78	ND	ND	16.76*
01/31/01	11.60	50.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	11.79	50.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	12.21	50.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/01	11.15	51.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/31/01	12.55	49.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/21/01	11.79	50.58	1.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.22
07/30/01	12.30	50.07	4.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.34
08/24/01	12.93	49.44	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.19
09/28/01	13.19	49.18	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.40
10/31/01	13.65	48.72	5.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.36
11/27/01	13.87	48.50	4.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.74
12/31/01	13.89	48.48	4.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.13
01/30/02	13.20	49.17	1.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.80
02/28/02	13.51	48.86	13.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.80
03/28/02	12.35	50.02	21.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.33

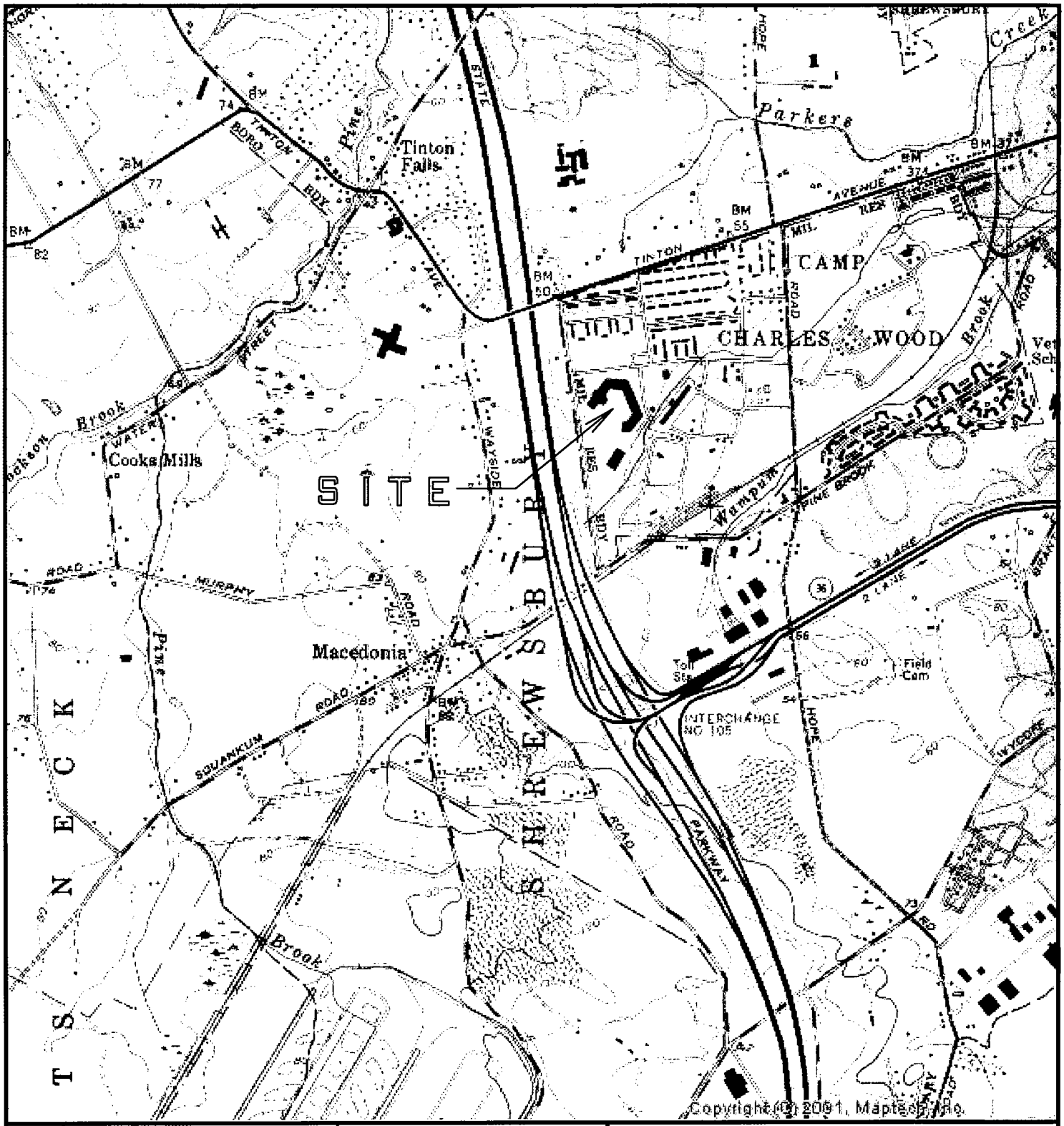
TABLE 5
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	1,1 dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	MTBE	VOC TICs	Total VOCs
			1 (1)	**1 (1)**	**10 (1)**	**100 (1)**	**2 (1)**	**6 (1)**	**1 (1)**	**75 (1)**	**600 (1)**	**600 (1)**	**700 (1)**	**70 (1)**	--	--
04/30/02	12.36	50.01	26.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.97
05/31/02	12.70	49.67	25.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.32
06/27/02	12.74	49.63	19.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.5
07/29/02	13.80	48.57	12.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.13
08/30/02	13.43	48.94	7.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.47
09/30/02	13.38	48.99	6.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.16
10/18/02	11.93	50.44	3.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.26
11/14/02	12.03	50.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/18/02	11.51	50.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/03	11.69	50.68	3.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.64
02/25/03	11.00	51.37	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3
03/28/03	11.03	51.34	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6

NOTES:

(1) = Groundwater Quality Standard pursuant to N.J.A.C. 7:9-6
TICs = Tentatively identified compounds
(#) = Number of TICs identified
VOC = Volatile organic compound
ND = Not detected
NA = Data not available
ANR = Analysis not run
* = 2-Butanone was detected at 4.15 ug/L from this well
** = Carbon Disulfide was detected at 3.26 ug/L from this well
*** = Carbon Disulfide was detected at 8.16 ug/L from this well

APPENDICES



north

LONG BRANCH, N.J.
40073-C8-TF-024

1954
PHOTOREVISED 1981
DMA 6164 I SE-SERIES V822

NEW JERSEY

QUADRANGLE LOCATIION

0 1/2 1 KM
SCALE IN KILOMETERS

SCALE 1 TO 24000

1000 0 1000 2000 3000
SCALE IN FEET

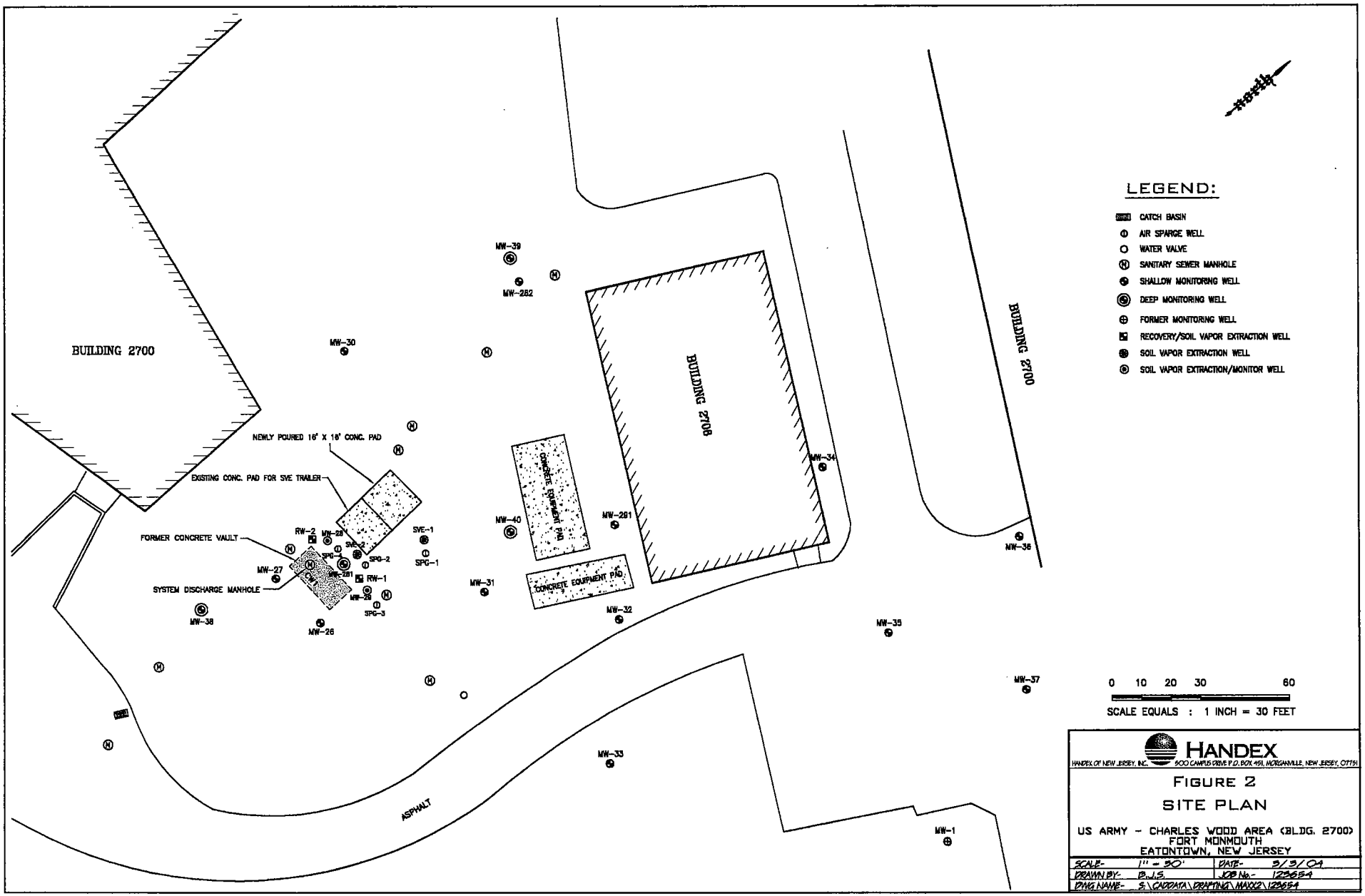
0 1/2 1 MILE
SCALE IN MILES

HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 1
SITE LOCATION MAP

US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE- AS NOTED	DATE- 8/30/02
DRAWN BY- B. J. S.	JOB #- 123654
DWG NAME- S:\CADDATA\DRAFTING\MAXX2\123654TOP	



HANDEX

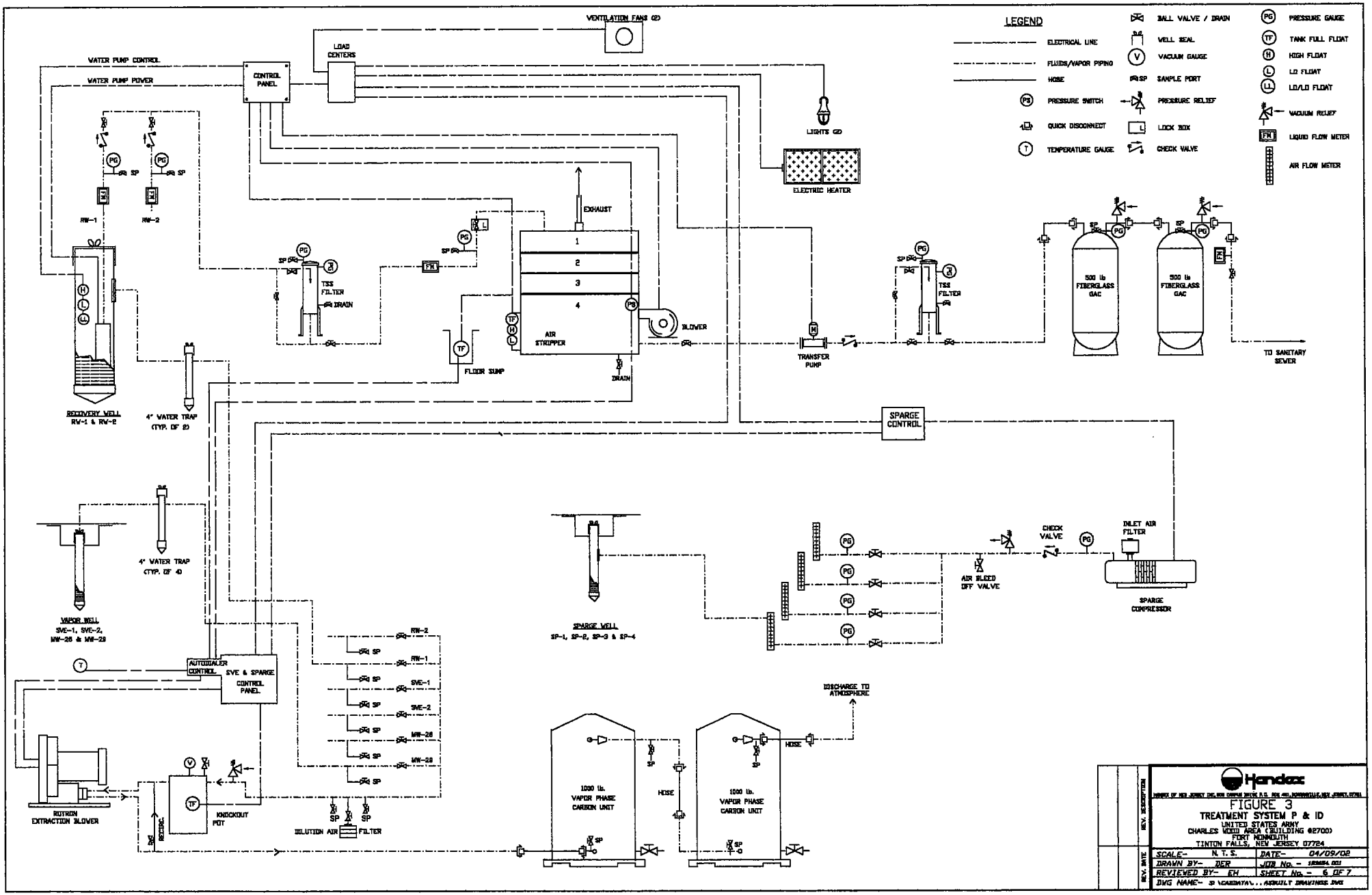
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 491, MORGANVILLE, NEW JERSEY, 07751

FIGURE 2

SITE PLAN

US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/09
DRAWN BY-	B.J.S.	JOB No-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAXD2\123654		



Handex

FIGURE 3
TREATMENT SYSTEM P & ID
UNITED STATES ARMY
CHARLES WOOD AREA (BUILDING #2700)
FORT MONMOUTH
TINTON FALLS, NEW JERSEY 07724

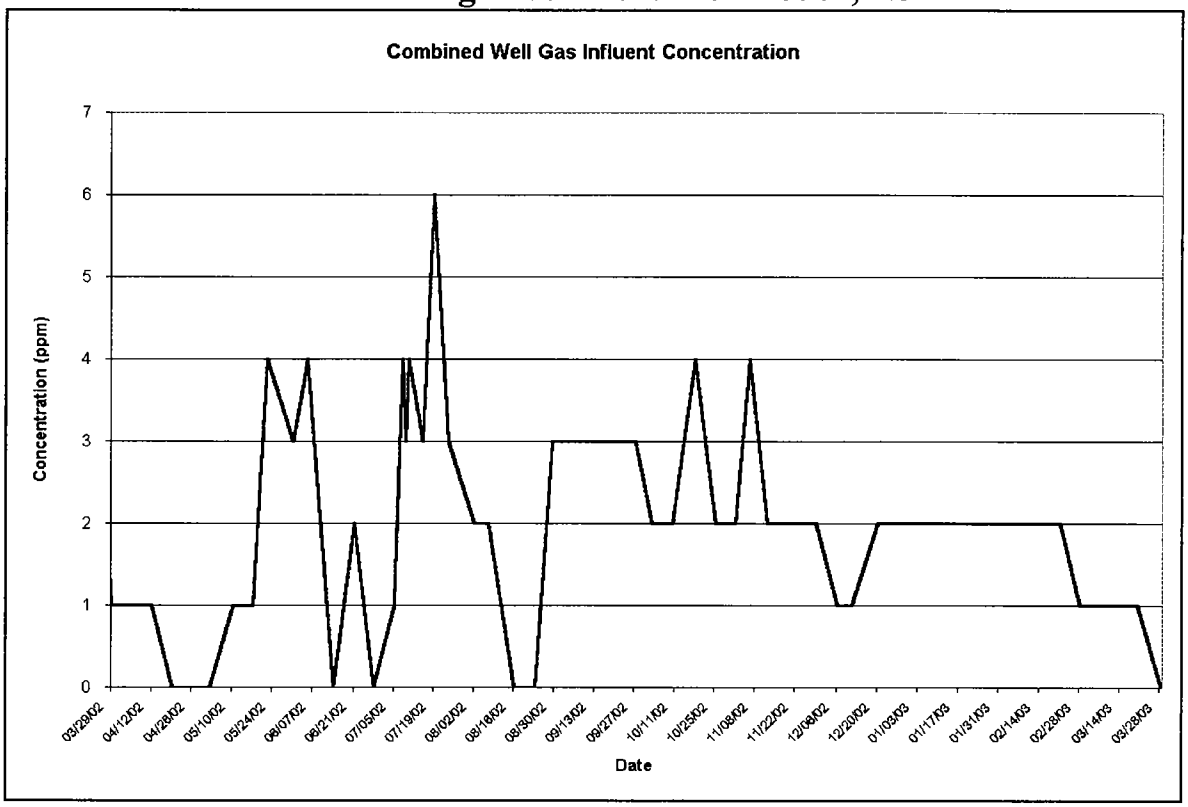
SCALE- N.T.S.	DATE- 04/09/02
DRAWN BY- DER	JOB No. - [illegible]
REVIEWED BY- EH	SHEET No. - 6 OF 7
DWG NAME- S:\CAD\DATA\...\RESULT DRAWINGS.DWG	

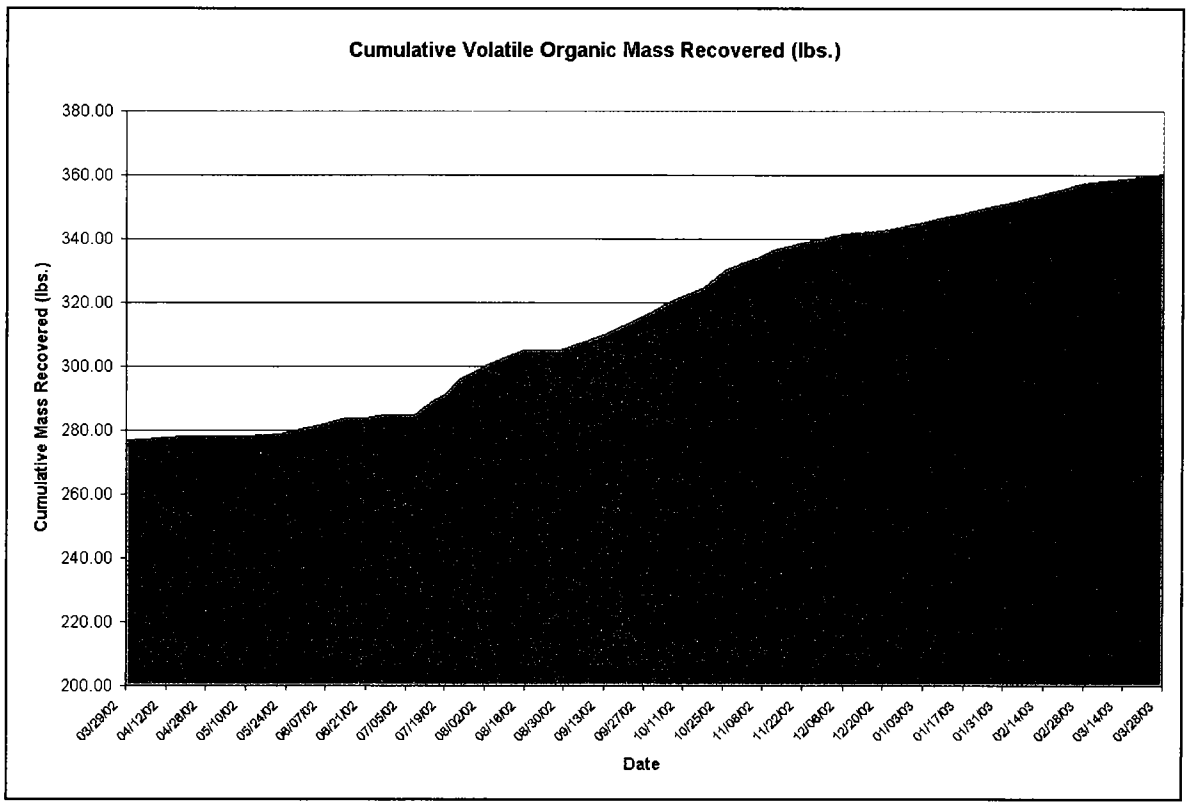
REV. DESCRIPTION
REV. DATE

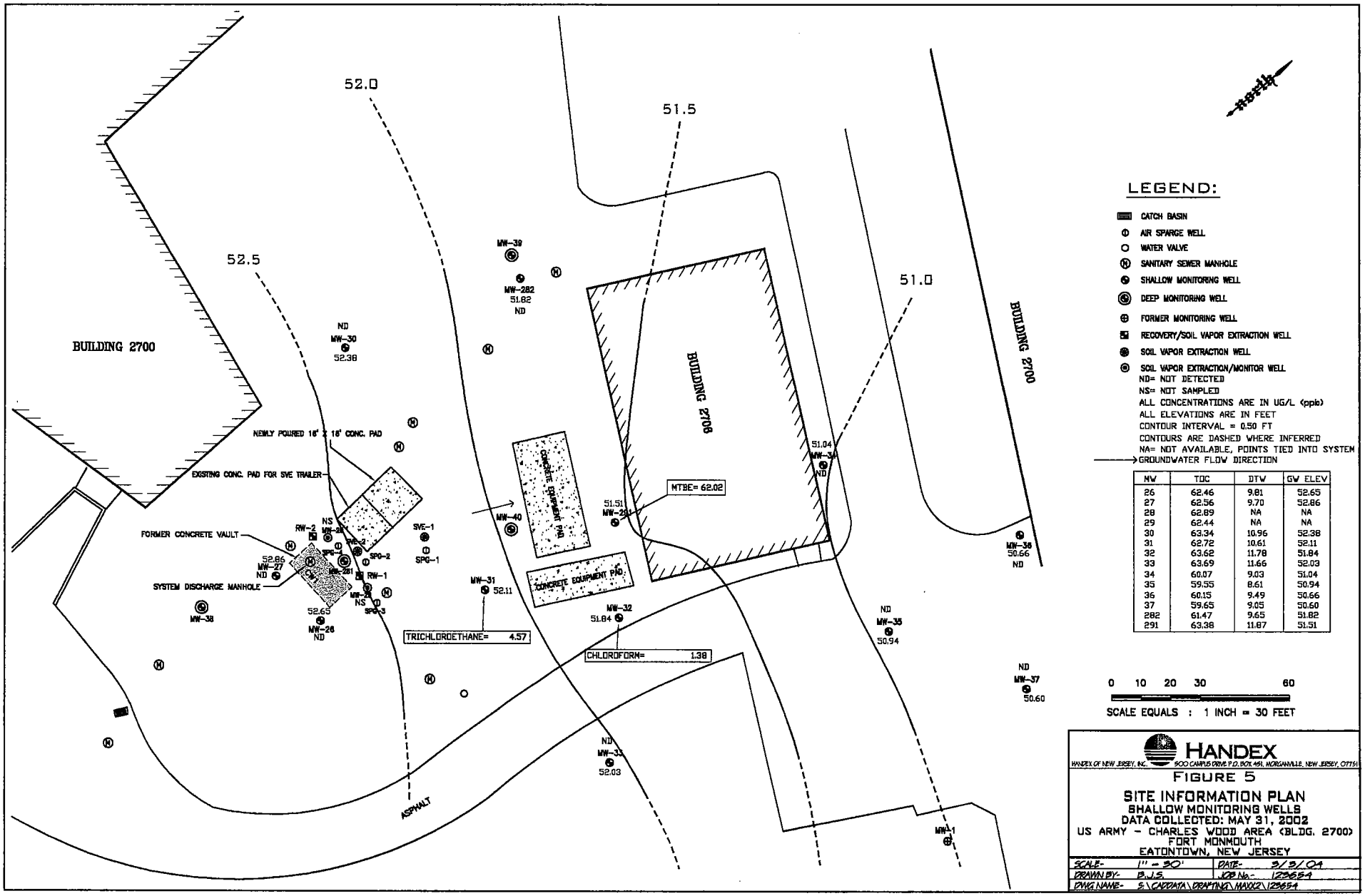
Figure 4

Soil Vapor Extraction Influent Concentrations & Recovery Graphs

CW-1 Building 2700 - Fort Monmouth, NJ







LEGEND:

- CATCH BASIN
- AIR SPARGE WELL
- WATER VALVE
- SANITARY SEWER MANHOLE
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- FORMER MONITORING WELL
- RECOVERY/SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION/MONITOR WELL

ND= NOT DETECTED
NS= NOT SAMPLED
ALL CONCENTRATIONS ARE IN UG/L (ppb)
ALL ELEVATIONS ARE IN FEET
CONTOUR INTERVAL = 0.50 FT
CONTOURS ARE DASHED WHERE INFERRED
NA= NOT AVAILABLE, POINTS TIED INTO SYSTEM
→ GROUNDWATER FLOW DIRECTION

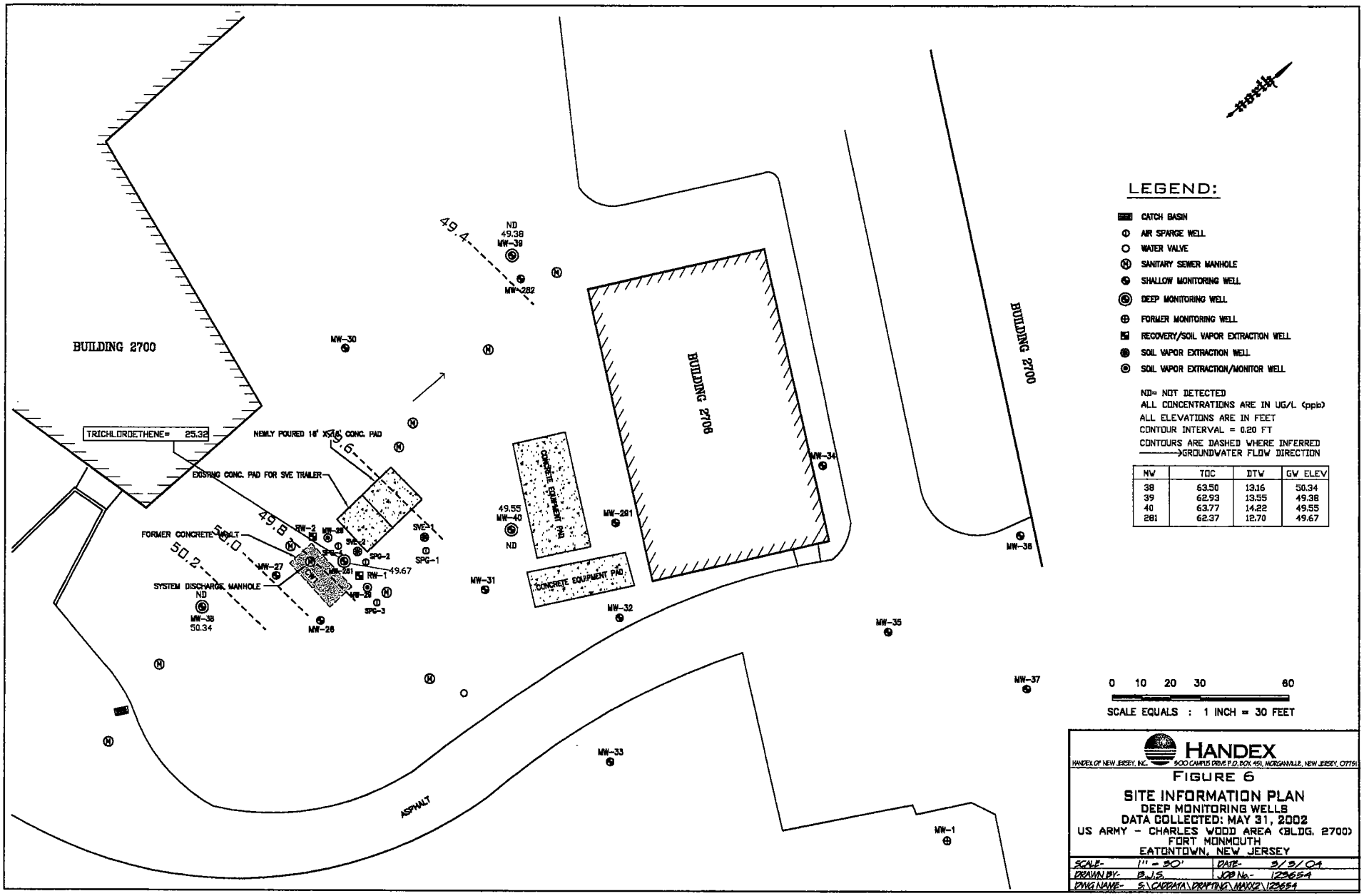
MW	TOC	DTW	GW ELEV
26	62.46	9.81	52.65
27	62.56	9.70	52.86
28	62.89	NA	NA
29	62.44	NA	NA
30	63.34	10.96	52.38
31	62.72	10.61	52.11
32	63.62	11.78	51.84
33	63.69	11.66	52.03
34	60.07	9.03	51.04
35	59.55	8.61	50.94
36	60.15	9.49	50.66
37	59.65	9.05	50.60
282	61.47	9.65	51.82
291	63.38	11.87	51.51

HANDEX
HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 491, MORGANVILLE, NEW JERSEY, 07751

FIGURE 5

SITE INFORMATION PLAN
SHALLOW MONITORING WELLS
DATA COLLECTED: MAY 31, 2002
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\123654		



MW	TOC	DTW	GW ELEV
38	63.50	13.16	50.34
39	62.93	13.55	49.38
40	63.77	14.22	49.55
281	62.37	12.70	49.67

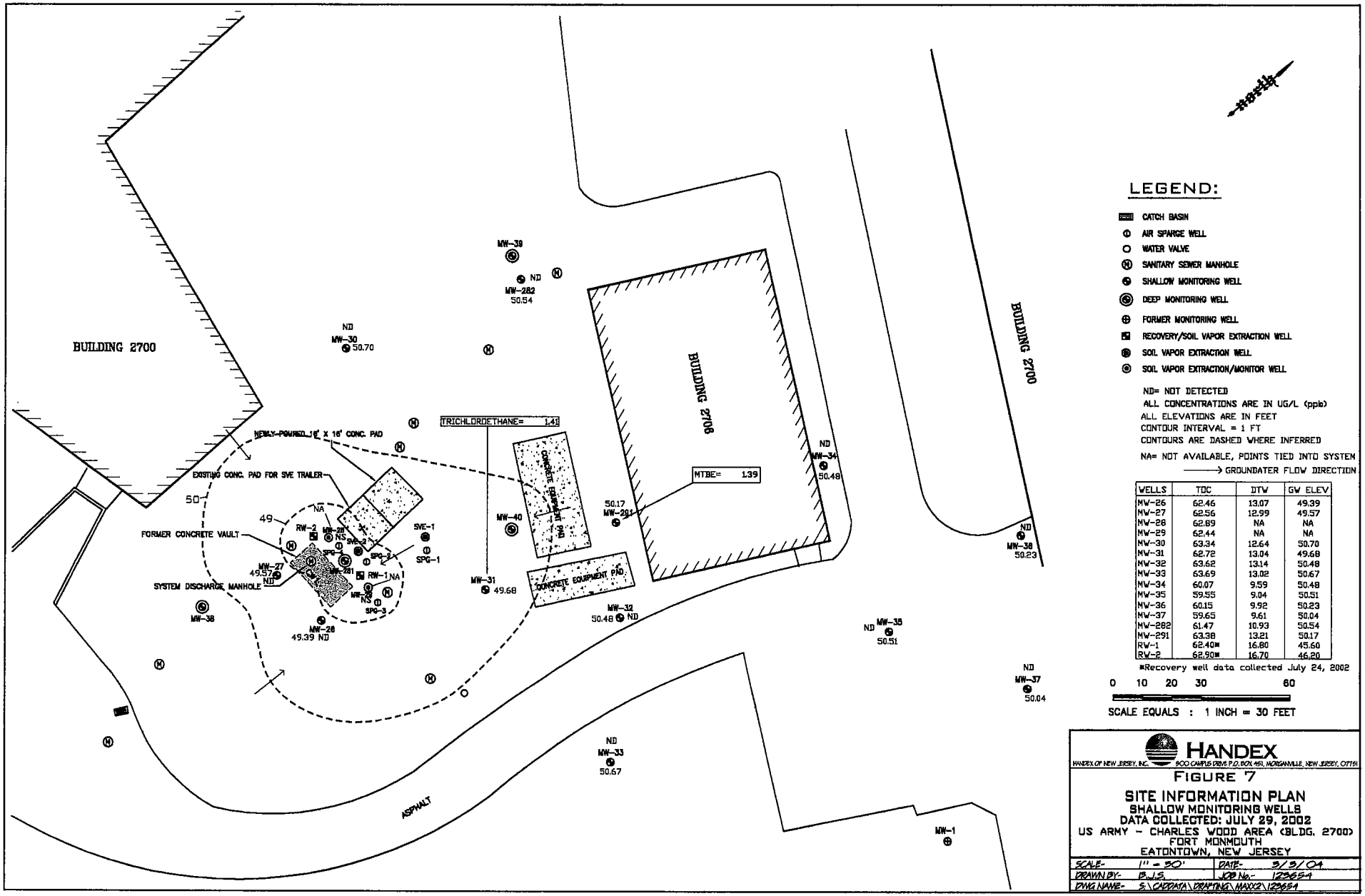
HANDEX

HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 6

SITE INFORMATION PLAN
DEEP MONITORING WELLS
DATA COLLECTED: MAY 31, 2002
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\123654		



LEGEND:

- CATCH BASIN
- AIR SPARGE WELL
- WATER VALVE
- SANITARY SEWER MANHOLE
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- FORMER MONITORING WELL
- RECOVERY/SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION/MONITOR WELL

ND= NOT DETECTED
ALL CONCENTRATIONS ARE IN UG/L (ppb)
ALL ELEVATIONS ARE IN FEET
CONTOUR INTERVAL = 1 FT
CONTOURS ARE DASHED WHERE INFERRED
NA= NOT AVAILABLE, POINTS TIED INTO SYSTEM
——→ GROUNDWATER FLOW DIRECTION

WELLS	TOC	DTW	GW ELEV
MW-26	62.46	13.07	49.39
MW-27	62.56	12.99	49.57
MW-28	62.89	NA	NA
MW-29	62.44	NA	NA
MW-30	63.34	12.64	50.70
MW-31	62.72	13.04	49.68
MW-32	63.62	13.14	50.48
MW-33	63.69	13.02	50.67
MW-34	60.07	9.59	50.48
MW-35	59.55	9.04	50.51
MW-36	60.15	9.92	50.23
MW-37	59.65	9.61	50.04
MW-282	61.47	10.93	50.54
MW-291	63.38	13.21	50.17
RW-1	62.40*	16.80	45.60
RW-2	62.90*	16.70	46.20

*Recovery well data collected July 24, 2002

0 10 20 30 60

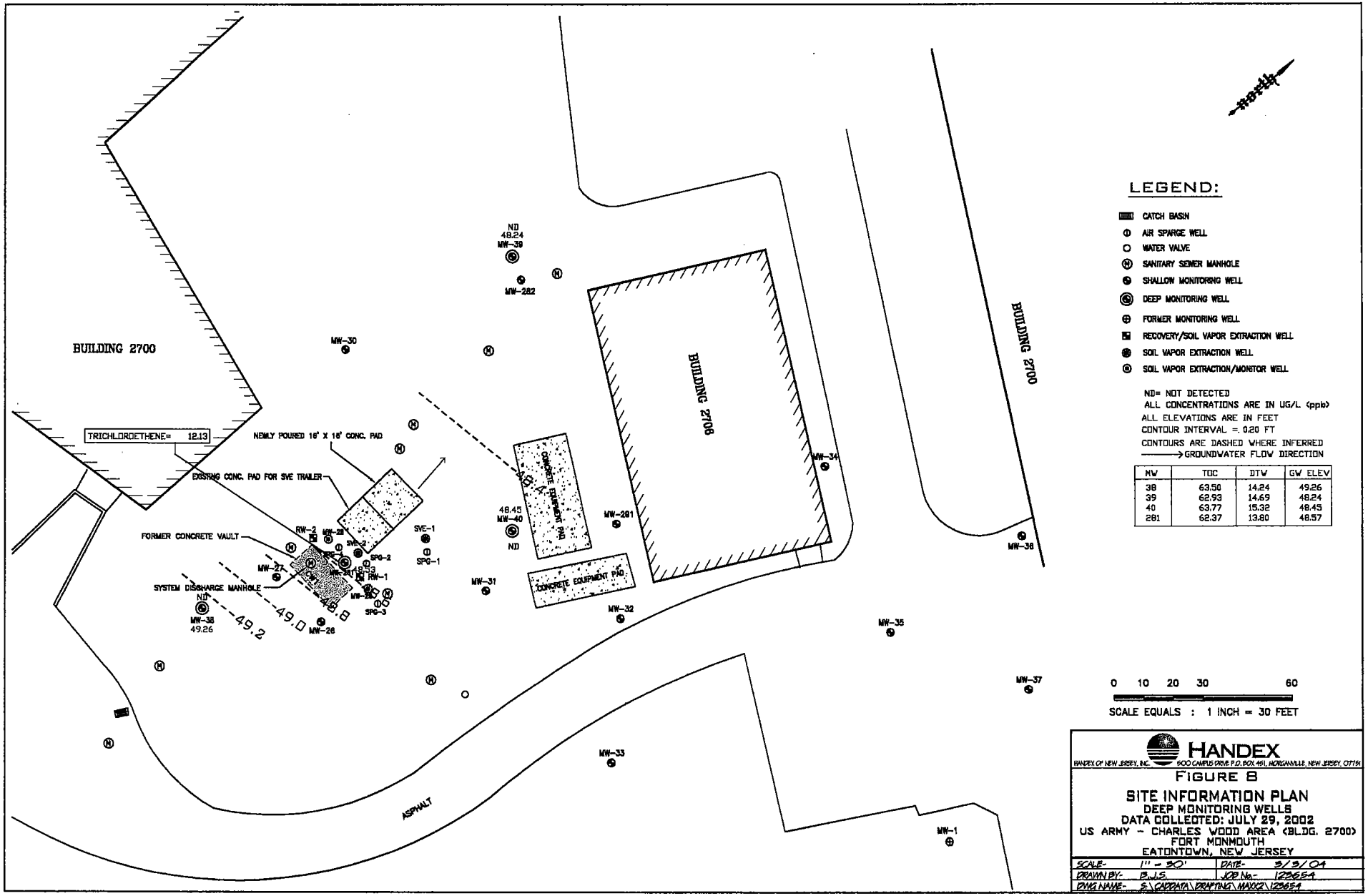
SCALE EQUALS : 1 INCH = 30 FEET

HANDEX
HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 7

SITE INFORMATION PLAN
SHALLOW MONITORING WELLS
DATA COLLECTED: JULY 29, 2002
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No.-	129654
DWG NAME-	S:\CADDATA\DRAFTING\MAXD2\129654		



LEGEND:

- CATCH BASIN
- AIR SPARGE WELL
- WATER VALVE
- SANITARY SEWER MANHOLE
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- FORMER MONITORING WELL
- RECOVERY/SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION/MONITOR WELL

ND= NOT DETECTED
ALL CONCENTRATIONS ARE IN UG/L (ppb)
ALL ELEVATIONS ARE IN FEET
CONTOUR INTERVAL = 0.20 FT
CONTOURS ARE DASHED WHERE INFERRED
→ GROUNDWATER FLOW DIRECTION

MW	TOC	DTW	GW ELEV
38	63.50	14.24	49.26
39	62.93	14.69	48.24
40	63.77	15.32	48.45
281	62.37	13.80	48.57

0 10 20 30 60

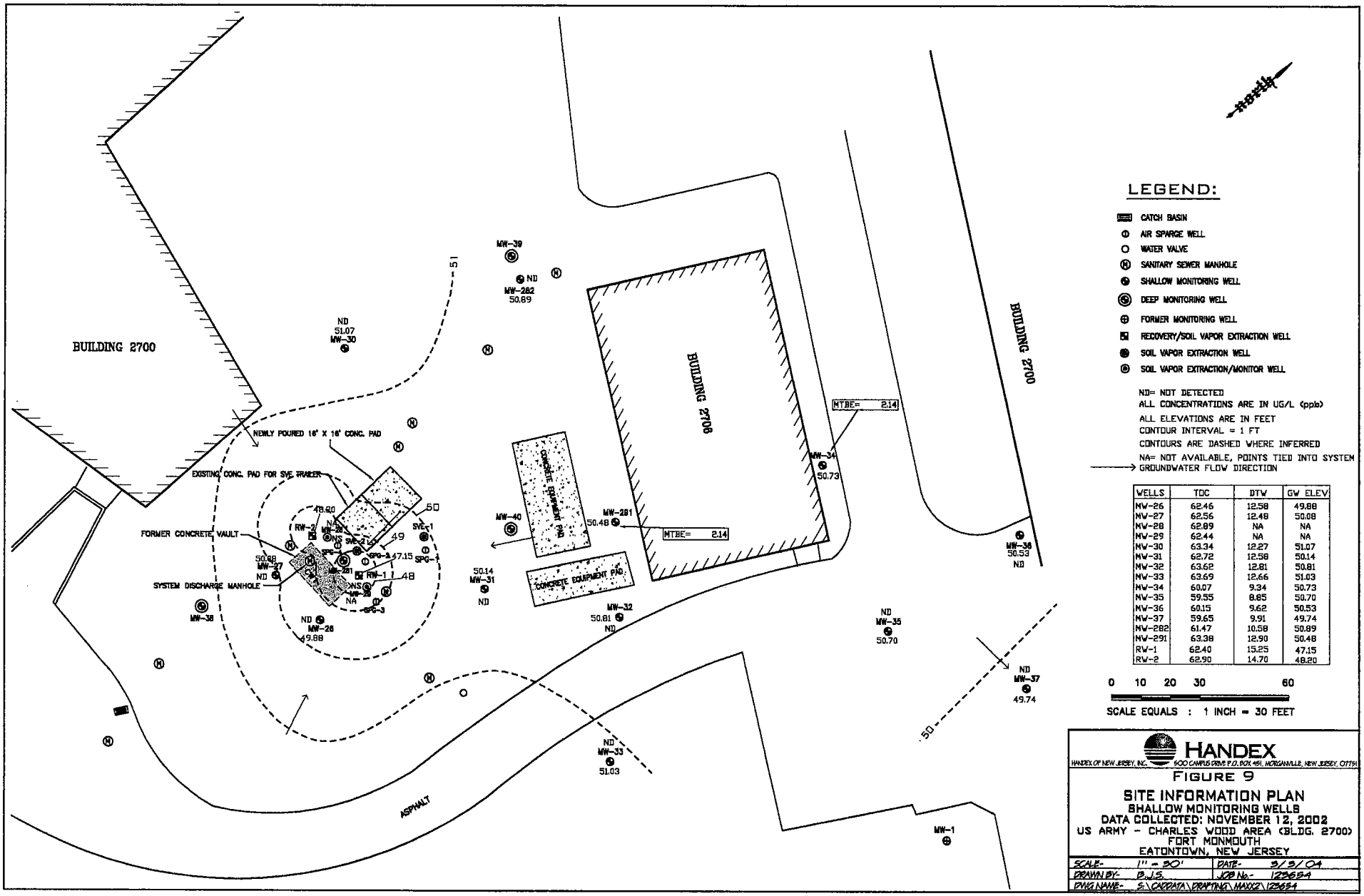
SCALE EQUALS : 1 INCH = 30 FEET

HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 8

SITE INFORMATION PLAN
DEEP MONITORING WELLS
DATA COLLECTED: JULY 29, 2002
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No.-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\123654		



LEGEND:

- CATCH BASIN
- AIR SPARGE WELL
- WATER VALVE
- SANITARY SEWER MANHOLE
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- FORMER MONITORING WELL
- RECOVERY/SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION/MONITOR WELL

ND= NOT DETECTED
ALL CONCENTRATIONS ARE IN UG/L (ppb)
ALL ELEVATIONS ARE IN FEET
CONTOUR INTERVAL = 1 FT
CONTOURS ARE DASHED WHERE INFERRED
NA= NOT AVAILABLE, POINTS TIED INTO SYSTEM
→ GROUNDWATER FLOW DIRECTION

WELLS	TOC	DTW	GW ELEV
MW-26	62.46	12.58	49.88
MW-27	62.56	12.48	50.08
MW-28	62.89	NA	NA
MW-29	62.44	NA	NA
MW-30	63.34	12.27	51.07
MW-31	62.72	12.58	50.14
MW-32	63.62	12.81	50.81
MW-33	63.69	12.66	51.03
MW-34	60.07	9.34	50.73
MW-35	59.55	8.85	50.70
MW-36	60.15	9.62	50.53
MW-37	59.65	9.91	49.74
MW-282	61.47	10.58	50.89
MW-291	63.38	12.90	50.48
RW-1	62.40	15.25	47.15
RW-2	62.90	14.70	48.20

0 10 20 30 60

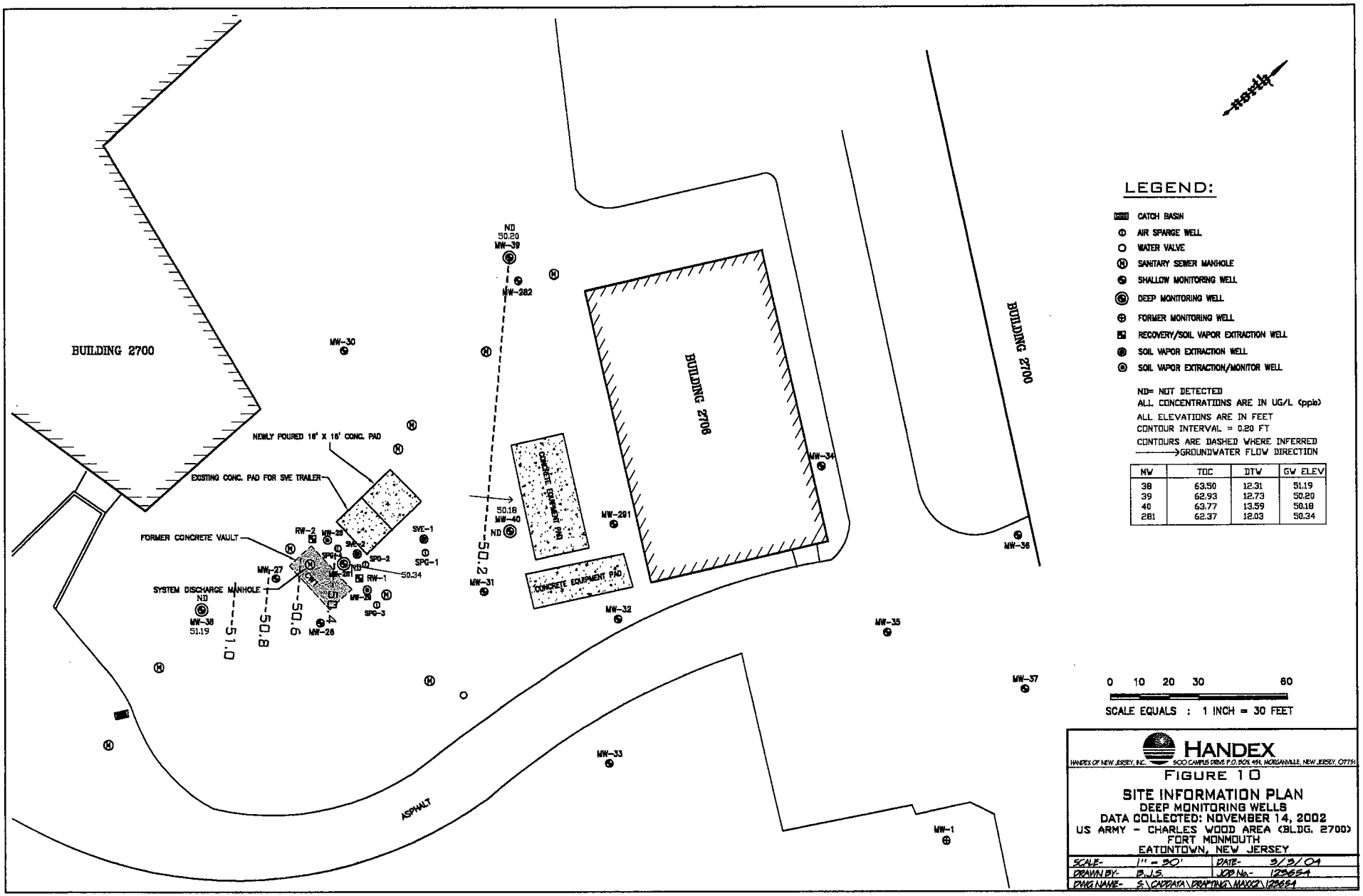
SCALE EQUALS : 1 INCH = 30 FEET

HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 9

SITE INFORMATION PLAN
SHALLOW MONITORING WELLS
DATA COLLECTED: NOVEMBER 12, 2002
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\123654		



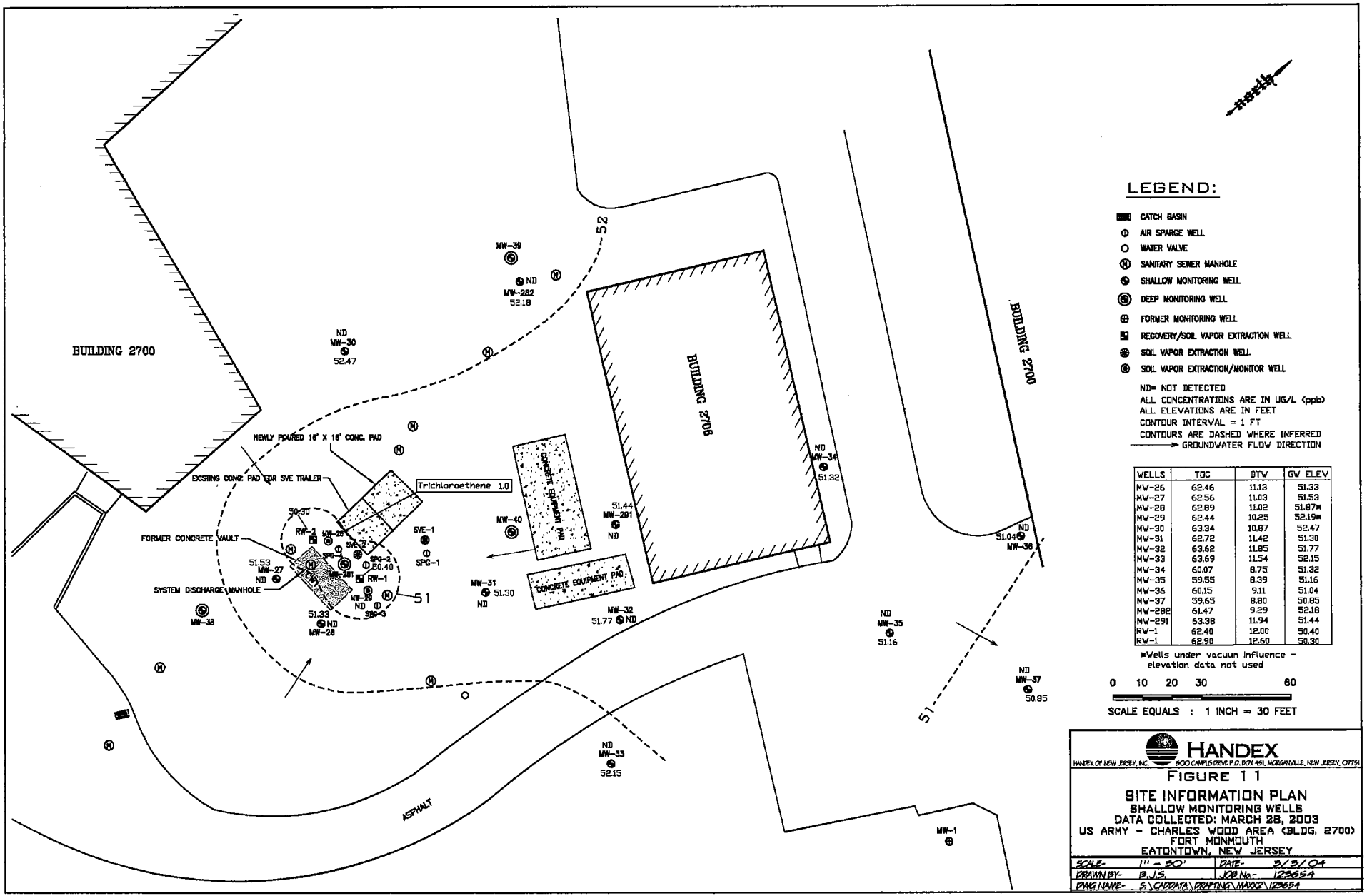
NW	TOC	DTW	GW ELEV
38	63.50	12.31	51.19
39	62.93	12.73	50.20
40	63.77	13.59	50.18
281	62.37	12.03	50.34

HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 454, MORGANVILLE, NEW JERSEY, 07751

FIGURE 10

SITE INFORMATION PLAN
DEEP MONITORING WELLS
DATA COLLECTED: NOVEMBER 14, 2002
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No.-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAY02\123654		



LEGEND:

- CATCH BASIN
- AIR SPARGE WELL
- WATER VALVE
- SANITARY SEWER MANHOLE
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- FORMER MONITORING WELL
- RECOVERY/SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION/MONITOR WELL

ND= NOT DETECTED
ALL CONCENTRATIONS ARE IN UG/L (ppb)
ALL ELEVATIONS ARE IN FEET
CONTOUR INTERVAL = 1 FT
CONTOURS ARE DASHED WHERE INFERRED
→ GROUNDWATER FLOW DIRECTION

WELLS	TOC	DTW	GW ELEV
MW-26	62.46	11.13	51.33
MW-27	62.56	11.03	51.53
MW-28	62.89	11.02	51.87*
MW-29	62.44	10.25	52.19*
MW-30	63.34	10.87	52.47
MW-31	62.72	11.42	51.30
MW-32	63.62	11.85	51.77
MW-33	63.69	11.54	52.15
MW-34	60.07	8.75	51.32
MW-35	59.55	8.39	51.16
MW-36	60.15	9.11	51.04
MW-37	59.65	8.80	50.85
MW-282	61.47	9.29	52.18
MW-291	63.38	11.94	51.44
RW-1	62.40	12.00	50.40
RW-1	62.90	12.60	50.30

*Wells under vacuum influence - elevation data not used

0 10 20 30 60

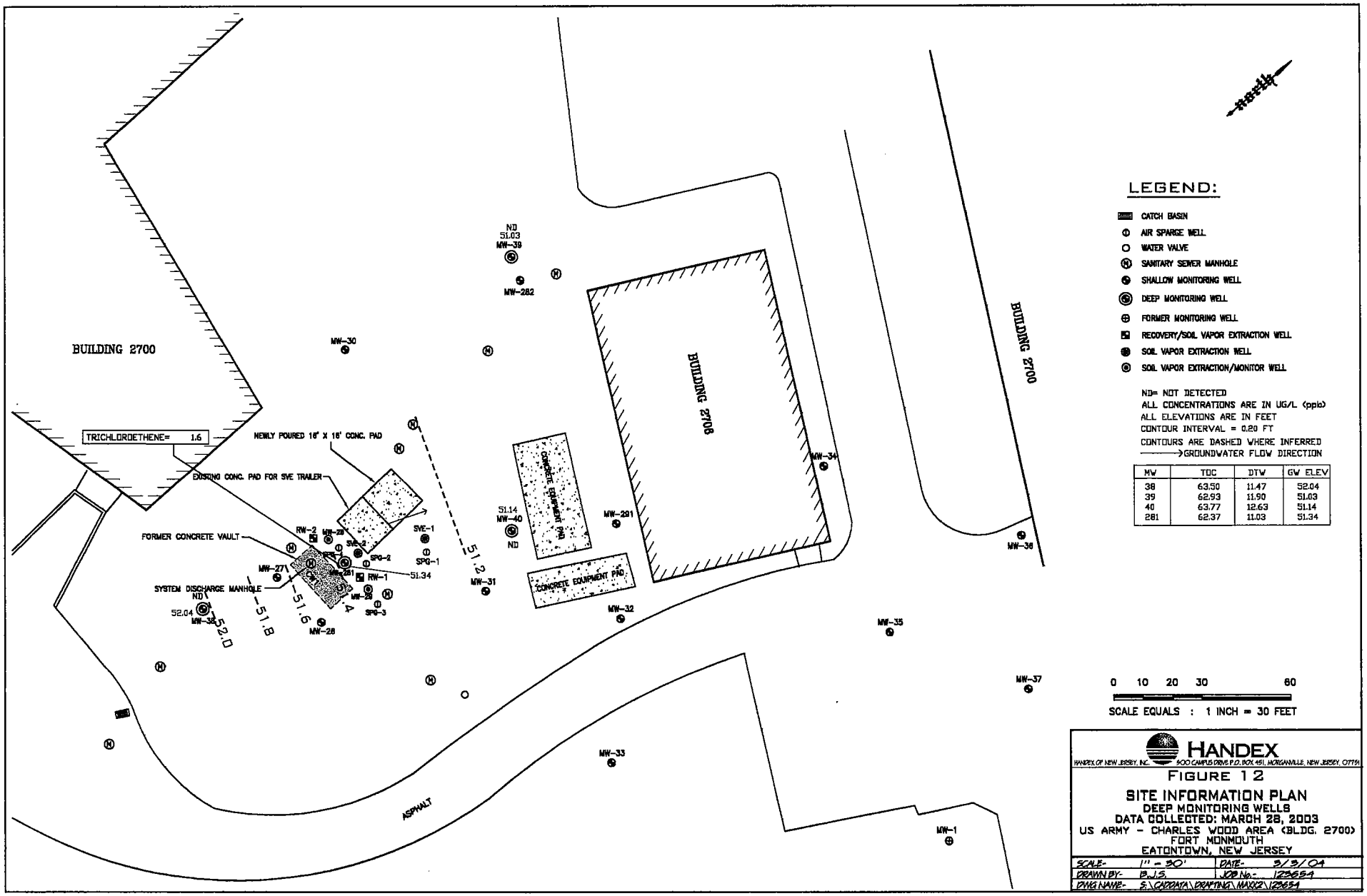
SCALE EQUALS : 1 INCH = 30 FEET

HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 491, MORGANVILLE, NEW JERSEY, 07751

FIGURE 11

SITE INFORMATION PLAN
SHALLOW MONITORING WELLS
DATA COLLECTED: MARCH 28, 2003
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/31/04
DRAWN BY-	B.J.S.	JOB No-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAY02\123654		



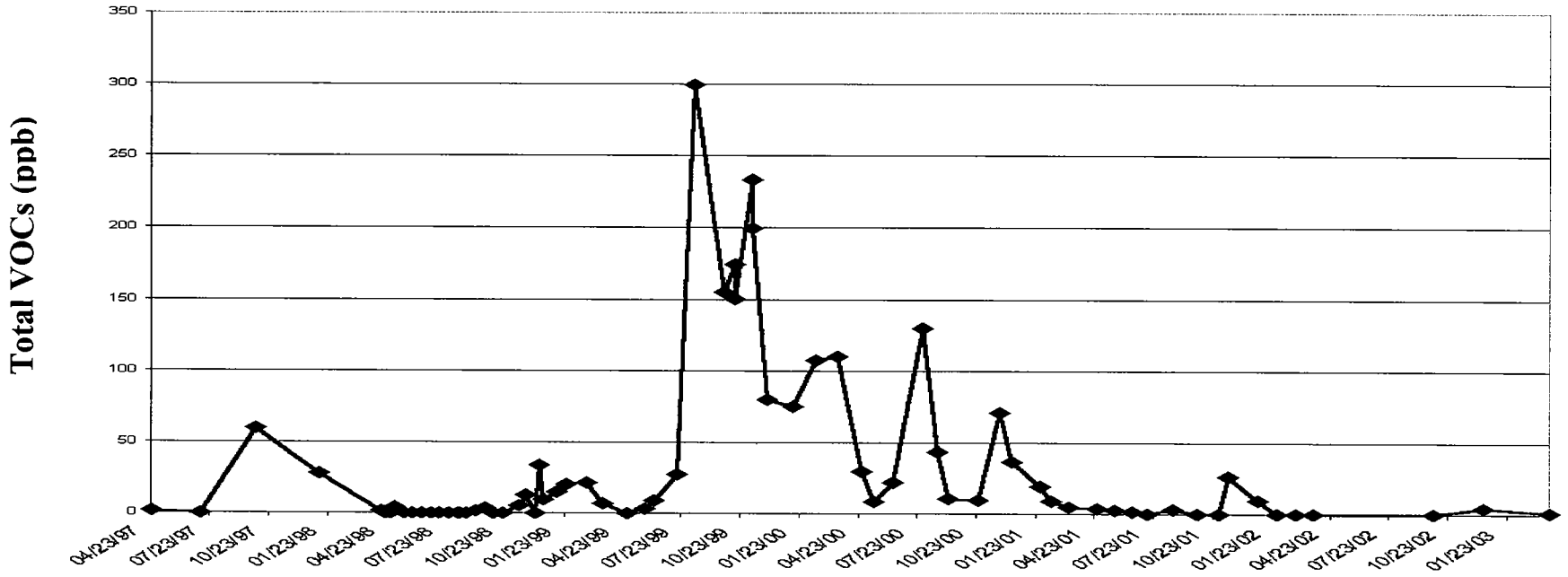
HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 12

SITE INFORMATION PLAN
DEEP MONITORING WELLS
DATA COLLECTED: MARCH 28, 2003
US ARMY - CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY

SCALE-	1" = 30'	DATE-	3/3/04
DRAWN BY-	B.J.S.	JOB No.-	123654
DWG NAME-	S:\CADDATA\DRAFTING\MAP02\123654		

FIGURE 13
TOTAL VOC CONCENTRATIONS IN GROUNDWATER VS. TIME
SHALLOW SOURCE AREA WELLS
FORT MONMOUTH – CHARLES WOOD AREA BUILDING 2700
EATONTOWN, NJ



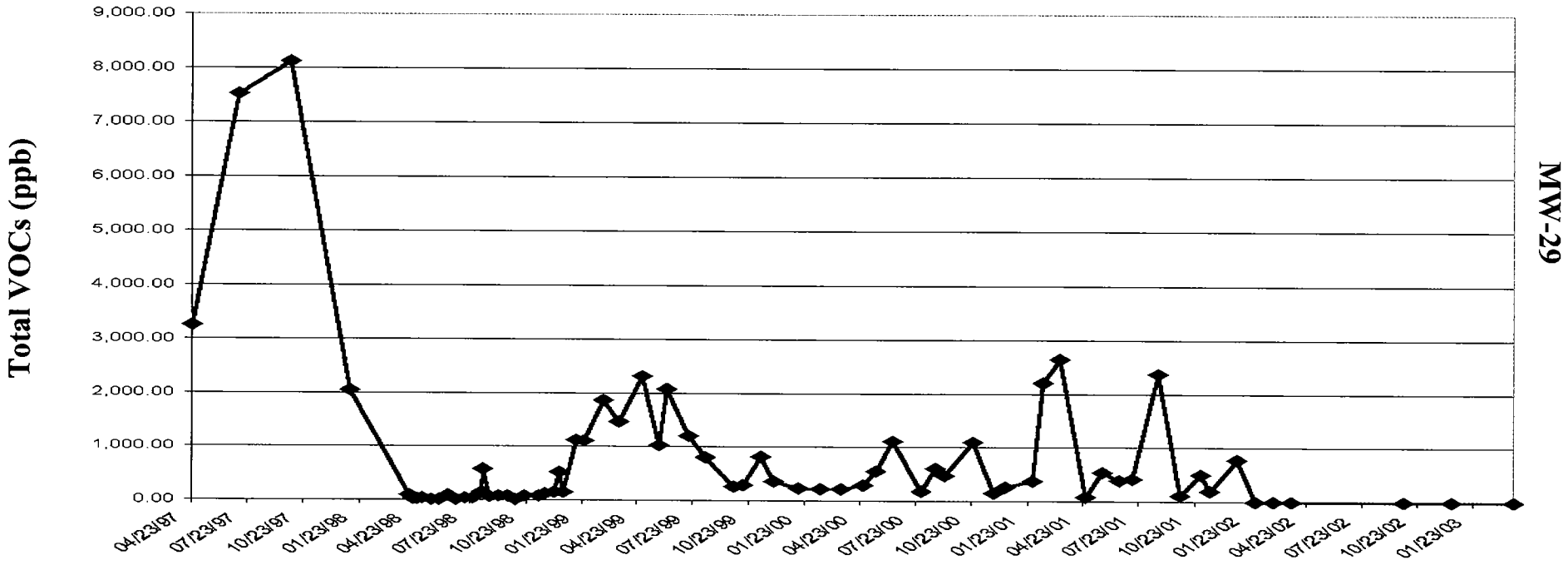
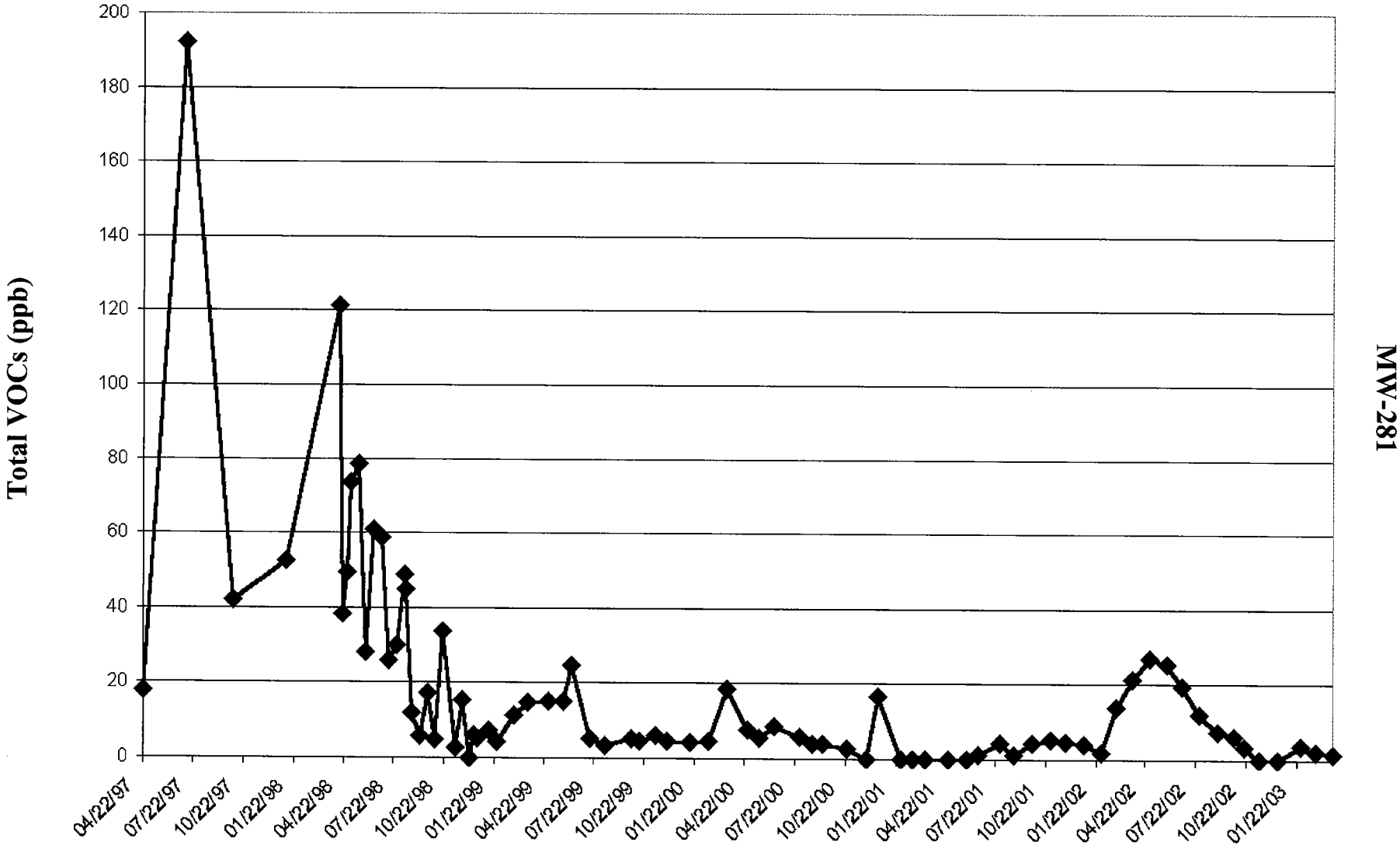


FIGURE 14
TOTAL VOC CONCENTRATIONS IN GROUNDWATER VS. TIME
DEEP SOURCE AREA WELL
FORT MONMOUTH – CHARLES WOOD AREA BUILDING 2700
EATONTOWN, NJ



FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	2034701	Aqueous	10-Jul-02 14:10	07/10/02
Air Stripper Effluent	2034702	Aqueous	10-Jul-02 14:05	07/10/02
1st GAC Effluent	2034703	Aqueous	10-Jul-02 14:00	07/10/02
Final Effluent	2034704	Aqueous	10-Jul-02 13:50	07/10/02

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA, COD, TSS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-23-02
Daniel Wright/Date
Laboratory Director

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

Data File	VC008610.D	Sample Name	2043701
Operator	Skelton	Field ID	AirStripperInfl
Date Aquired	18-Jul-02	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	16.10	541531	35.22 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane	17.48	20042	1.27 ug/L	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.31	894521	103.03 ug/L	1	0.23 ug/L	E
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

7/18/02 9:36 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

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

Data File	VC008603.D	Sample Name	2043701
Operator	Skelton	Field ID	AirStripperInfl
Date Aquired	17-Jul-02	Multiplier	2

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	3.70 ug/L	
107131	Acrylonitrile			not detected	50	5.56 ug/L	
75650	tert-Butyl alcohol			not detected	nle	17.04 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.36 ug/L	
74-87-3	Chloromethane			not detected	30	2.32 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.12 ug/L	
74-83-9	Bromomethane			not detected	10	2.20 ug/L	
75-00-3	Chloroethane			not detected	nle	2.02 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.48 ug/L	
67-64-1	Acetone			not detected	700	2.72 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.92 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.48 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.32 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.24 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	1.56 ug/L	
78-93-3	2-Butanone			not detected	300	1.24 ug/L	
	cis-1,2-Dichloroethene	16.11	341322	41.41 ug/L	10	0.34 ug/L	D
67-66-3	Chloroform			not detected	6	0.60 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.46 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.94 ug/L	
71-43-2	Benzene			not detected	1	0.46 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.36 ug/L	
79-01-6	Trichloroethene	20.32	659632	139.02 ug/L	1	0.46 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	0.80 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.10 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.30 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.38 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.18 ug/L	
108-88-3	Toluene			not detected	1000	0.74 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.74 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.96 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.64 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.42 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.72 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.78 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.30 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.28 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.24 ug/L	
100-42-5	Styrene			not detected	100	1.12 ug/L	
75-25-2	Bromoform			not detected	4	1.40 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.94 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.10 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.14 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.28 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X2(6223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Bldg. 2700

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Full VOA List EPA 624	TSS	COD	TCE, PCE, CIS 1, 2-DCE					Remarks / Preservation Method
20457 01	AIR STRIPPER INFL.	7-10-02	2:10	W	2	X								
02	AIR STRIPPER EFFL.	7-10-02	2:05	W	2				X					
03	1ST GAC EFFL.	7-10-02	2:00	W	2				X					
04	FINAL EFFL.	7-10-02	1:50	W	4		X	X	X					

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	7-10-02 1540	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: Trip Blank shared with Bldg #699 same cooler.

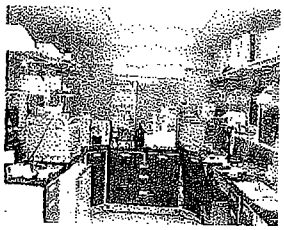
print legibly

Coc6/27/02

7-23-02; 8:13 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	2052401	Aqueous	07-Aug-02 10:55	08/07/02
Air Stripper Effluent	2052402	Aqueous	07-Aug-02 10:50	08/07/02
1st GAC Effluent	2052403	Aqueous	07-Aug-02 10:45	08/07/02
Final Effluent	2052404	Aqueous	07-Aug-02 10:40	08/07/02

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2-DCE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8/26/02
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X26223
( )DERA ( )OMA ( )Other: _____

Project No:
Location: Bldg ~~699~~ ~~PFT~~ 2700

Samplers Name / Company:

Analysis Parameters

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Full VOA-List EPA 624	TCE, PCE CIS-1,2-DCE							Remarks / Preservation Method
20524 01														
02	AIR STRIPPER INFL.	8-7-02	10:55	Aq.	2	X								
02	AIR STRIPPER EFFL.	↓	10:50	↓	↓		X							
03	1st GAC EFFL.	↓	10:45	↓	↓		X							
04	FINAL EFFL.	↓	10:40	↓	↓		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	8/7/02 1235	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:

print legibly

Page 1 of 1

Coc4/29/02

8-26-02;12:53 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 19

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

Data File	**VB011727.D**	Sample Name	**2052401**
Operator	**Skelton**	Field ID	**AirStripperINFL**
Date Acquired	**15 Aug 2002 2:43 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.85	53949	3.59 ug/L	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene	20.40	718151	60.48 ug/L	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

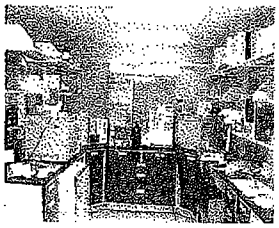
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-4359 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700

Bldg. 2700/Charles Wood

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	2065701	Aqueous	13-Sept-02	09/13/02
Air Stripper Influent	2065702	Aqueous	13-Sept-02 12:40	09/13/02
Air Stripper Effluent	2065703	Aqueous	13-Sept-02 12:35	09/13/02
1st GAC Effluent	2065704	Aqueous	13-Sept-02 12:30	09/13/02
Final Effluent	2065705	Aqueous	13-Sept-02 12:25	09/13/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2-DCE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

RECEIVED
SEP 27 2002
HANDEX OF NJ
PERMITS ADMINISTRATION

9-26-02
Daniel Wright/Date
Laboratory Director

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

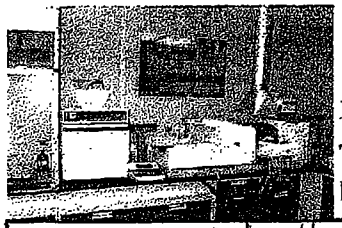
Data File	**VC008556.D**	Sample Name	**2065702**
Operator	**Skelton**	Field ID	**AirStripper Infl**
Date Aquired	**24-Sep-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	16.11	24597	1.76 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.32	569452	57.74 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time



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: Bldg # 2700
CHARLES WOOD

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Full VOA Lists EPA 624	TCE, PCE, cis-1,2-DCE							Comments: Remarks / Preservation Method
20657 01	TRIP BLANK	9-13-02		W	2	X								
02	AIR STRIPPER INFL.	9-13-02	12:40	W	2	X								
03	AIR STRIPPER EFFL.	9-13-02	12:35	W	2		X							
04	1ST GAC EFFL.	9-13-02	12:30	W	2		X							
05	FINAL EFFL.	9-13-02	12:25	W	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	9-13-02 13:33				
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:

9-26-02;14:06 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 1C

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700/P&T

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	2072401	Aqueous	10-Oct-02 14:20	10/10/02
Air Stripper Effluent	2072402	Aqueous	10-Oct-02 14:15	10/10/02
1st GAC Effluent	2072403	Aqueous	10-Oct-02 14:10	10/10/02
Final Effluent	2072404	Aqueous	10-Oct-02 14:00	10/10/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2DCE, COD, TSS

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

12-2-02
Daniel Wright/Date
Laboratory Director

RECEIVED
DEC 18 2002
HANDEX OF NJ
PERMITS ADMINISTRATION

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

Data File	**VC008632.D**	Sample Name	**2072401**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Aquired	**21-Oct-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	56053	1.30 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.09	3150770	109.49 ug/L	1	0.23 ug/L	E
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008665.D**	Sample Name	**2072401**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Aquired	**23-Oct-02**	Multiplier	**2**

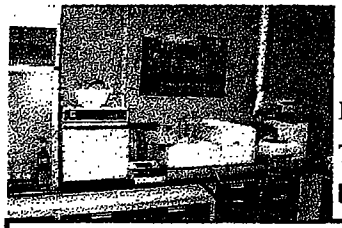
CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	3.70 ug/L	
107131	Acrylonitrile			not detected	50	5.56 ug/L	
75650	tert-Butyl alcohol			not detected	nle	17.04 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.36 ug/L	
74-87-3	Chloromethane			not detected	30	2.32 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.12 ug/L	
74-83-9	Bromomethane			not detected	10	2.20 ug/L	
75-00-3	Chloroethane			not detected	nle	2.02 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.48 ug/L	
67-64-1	Acetone			not detected	700	2.72 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.92 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.48 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.32 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.24 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	1.56 ug/L	
78-93-3	2-Butanone			not detected	300	1.24 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.87	15652	1.16 ug/L	10	0.34 ug/L	D
67-66-3	Chloroform			not detected	6	0.60 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.46 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.94 ug/L	
71-43-2	Benzene			not detected	1	0.46 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.36 ug/L	
79-01-6	Trichloroethene	20.09	1160838	134.77 ug/L	1	0.46 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	0.80 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.10 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.30 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.38 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.18 ug/L	
108-88-3	Toluene			not detected	1000	0.74 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.74 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.96 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.64 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.42 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.72 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.78 ug/L	
100-41-4	Ethylbenzene			not detected	700	1.30 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	2.28 ug/L	
1330-20-7	o-Xylene			not detected	nle	1.24 ug/L	
100-42-5	Styrene			not detected	100	1.12 ug/L	
75-25-2	Bromoform			not detected	4	1.40 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.94 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.10 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.14 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.28 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time



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 #: (732) 532-6223
( )DERA ( )OMA ( )Other:_____

Project No: Pump + Treat
Location: Bldg. # 2700
Charles Wood

Samplers Name / Company:

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Full VOA CLSS EPA 624	TSS	COD	TCE, PCE CIS-1, 2DCE					Remarks / Preservation Method
20724 01	Air Stripper INFl	10/10/02	2:20	W	2	X								
02	Air Stripper EFFl.	10/10/02	2:15	W	2				X					
03	1st Gac EFFl.	10/10/02	2:10	W	2				X					
04	Final EFFl.	10/10/02	2:00	W	4		X	X	X					

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	10/10/02 1545	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:

print legibly

Coc9/17/02

12- 2-02; 8:21 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 21

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700/P&T

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	2083701	Aqueous	22-Nov-02 10:55	11/22/02
Air Stripper Effluent	2083702	Aqueous	22-Nov-02 10:50	11/22/02
1st GAC Effluent	2083703	Aqueous	22-Nov-02 10:45	11/22/02
Final Effluent	2083704	Aqueous	22-Nov-02 10:40	11/22/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2DCE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

12-2-02
Daniel Wright/Date
Laboratory Director

RECEIVED
DEC 18 2002
HANDEX OF NJ
PERMITS ADMINISTRATION

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

Data File	**VB012135.D**	Sample Name	**2083701**
Operator	**Skelton**	Field ID	**AirStripperINFL**
Date Acquired	**27 Nov 2002 12:19 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	19.83	848140	40.16 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

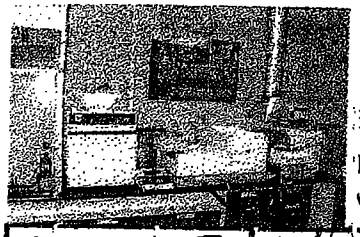
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

12- 2-02; 8:21 ;Ft Monmouth Envr Lab ;732 532 6263 # 15/ 21



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 #: X28341
( )DERA ( )OMA ( )Other: _____

Project No: Pump and Treat
Location: Bldg. #2700

Samplers Name / Company:

Analysis Parameters

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Full VOA Lite EPA 624	TCE, PCE, 1,2-DCE							Remarks / Preservation Method
20837 01	Air Stripper INFl.	11/22/02	10:55	W	2	X								
02	Air Stripper EFFl.	11/22/02	10:50	W	2		X							
03	1st GAC EFFl.	11/22/02	10:45	W	2		X							
04	Final EFFl.	11/22/02	10:40	W	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	11/22/02 15:30	J. Hamer			
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

Page ____ of ____

Coc4/29/02

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-6224 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

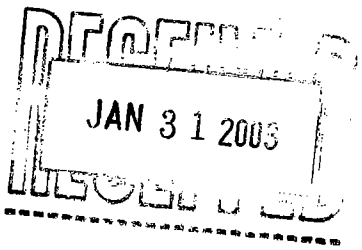
ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 2700 Pump & Treat

Bldg. 2700

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	2089901	Aqueous	20-Dec-02	12/20/02
Air Stripper Influent	2089902	Aqueous	20-Dec-02 10:45	12/20/02
Air Stripper Effluent	2089903	Aqueous	20-Dec-02 10:40	12/20/02
1st GAC Effluent	2089904	Aqueous	20-Dec-02 10:35	12/20/02
Final Effluent	2089905	Aqueous	20-Dec-02 10:30	12/20/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA-624, TCE, PCE, cis-1,2 DCE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS



1-29-03
Daniel Wright/Date
Laboratory Director

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

Data File	**VB012482.D**	Sample Name	**2089902**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Acquired	**31 Dec 2002 6:22 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone	15.68	502356	19.19 ug/L	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	19.83	1175858	18.31 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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:	Project No: Pump + Treat	Analysis Parameters								Comments:
Phone #:	Location: Bldg 2700									4°C
( )DERA ( )OMA ( )Other:										
Samplers Name / Company:										

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles								Remarks / Preservation Method
20899 01	Trip Blank	12/20/02	0730	W	2	X							
02	Air Stripper Infl.	12/20/02	10:45	W	2	X							
03	Air Stripper Effl.	12/20/02	10:40	W	2		X						
04	1st Gac Effl.	12/20/02	10:35	W	2		X						
05	Final Effl.	12/20/02	10:30	W	2		X						

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	12/20/02 12:30	Greg McCouch 12/20/02			
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:

1-30-03; 14:13; FTL MONMOUTH ENVR LAB ;732 532 6263 # 3/ 10

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700/P&T

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	3004001	Aqueous	24-Jan-03 13:40	01/24/03
Air Stripper Effluent	3004002	Aqueous	24-Jan-03 13:35	01/24/03
1st GAC Effluent	3004003	Aqueous	24-Jan-03 13:30	01/24/03
Final Effluent	3004004	Aqueous	24-Jan-03 13:20	01/24/03

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2DCE, TSS, COD

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

RECEIVED
MAR 1 1 2003

3-11-03
Daniel Wright/Date
Laboratory Director

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

Data File	VB012786.D	Sample Name	3004001
Operator	Skelton	Field ID	AirStripperInfl
Date Acquired	4 Feb 2003 4:26 pm	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	9.25 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.85 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.50 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.15 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	10.00 ug/L	
79-01-6	Trichloroethene	20.23	1269440	94.54 ug/L	1	1.15 ug/L	10.00 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	10.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	2.75 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	3.10 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated value.
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

C:\HPCHEM\Custrpt\Volatile\624fy03.crt

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: Bldg. # 2700
Location:

Samplers Name / Company:

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Full VOA CLSD EPA 624	TSS	COD	TCE, PCE, CIS, 1,2-DCE					Remarks / Preservation Method
30040 01	Air Stripper Infl.	1-24-03	1:40	W	2	X								
02	Air Stripper Effl.	1-24-03	1:35	W	2	[illegible]			X					
03	1st Gac Effl.	1-24-03	1:30	W	2				X					
04	Final Effl.	1-24-03	1:20	W	4		X	X	X					

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	1/24/03 13:00	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

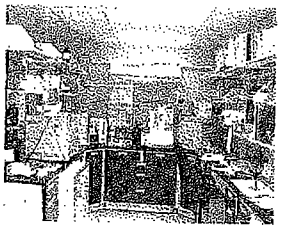
print legibly

Coc12/30/02

3-11-03;10:13 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700/P&T

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	3007401	Aqueous	21-Feb-03 10:20	02/21/03
Air Stripper Effluent	3007402	Aqueous	21-Feb-03 10:15	02/21/03
1st GAC Effluent	3007403	Aqueous	21-Feb-03 10:05	02/21/03
Final Effluent	3007404	Aqueous	21-Feb-03 10:00	02/21/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2DCE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

RECEIVED
MAR 1 1 2003

3-11-03
Daniel Wright/Date
Laboratory Director

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

Data File	VB012998.D	Sample Name	3007401
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	4 Mar 2003 9:19 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	9.25 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	10.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	10.00 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	10.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.85 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.50 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	10.00 ug/L	
71-43-2	Benzene			not detected	1	1.15 ug/L	10.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	10.00 ug/L	
79-01-6	Trichloroethene	19.81	345506	48.68 ug/L	1	1.15 ug/L	10.00 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	10.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	2.75 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	10.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	3.10 ug/L	10.00 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	10.00 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	10.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	10.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated value
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 2700

Samplers Name / Company : /GES

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	TCE / PCE / CIS-1,2-DCE							Remarks / Preservation Method
30074 01	Airstripper Influent	2/21/03	10:20	Aq.	2	X								
02	Airstripper Effluent	2/21/03	10:15	Aq.	2		X							
03	1st GAC Effluent	2/21/03	10:05	Aq.	2		X							
04	Final Effluent	2/21/03	10:00	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	2/21/03 1155	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified

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

Remarks:

print legibly

Page 1 of 1

coc27002/4/03

3-11-03;10:13 ;Ft Monmouth Envr Lab ;732 532 6263 # 15/

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 2700/P&T

Bldg. 2700

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	3012901	Aqueous	20-Mar-03 14:55	03/20/03
Air Stripper Effluent	3012902	Aqueous	20-Mar-03 14:50	03/20/03
1st GAC Effluent	3012903	Aqueous	20-Mar-03 14:45	03/20/03
Final Effluent	3012904	Aqueous	20-Mar-03 14:40	03/20/03

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, TCE, PCE, cis-1,2DCE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-17-03
Daniel Wright/Date
Laboratory Director

RECEIVED
APR 17 2003

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

Data File	VB013330.D	Sample Name	3012901
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	1 Apr 2003 12:48 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene	19.83	1557380	48.87 ug/L	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

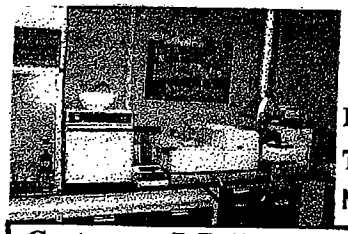
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time
R.L. = Reporting Limit

C:\HPCHEM\Custrpt\Volatile\624FY03.CRT



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: (732) 532-6223
( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat
Location: Bldg. 2700

Samplers Name / Company: /GES

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: 624	TCE / PCE / CIS-1,2-DCE							Comments: Remarks / Preservation Method
30129 01	Airstripper Influent	3/20/03	2:55	Aq.	2	X								
02	Airstripper Effluent	3/20/03	2:50	Aq.	2		X							
03	1st GAC Effluent	3/20/03	2:45	Aq.	2		X							
04	Final Effluent	3/20/03	2:40	Aq.	4		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	3/20/03 15:15	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

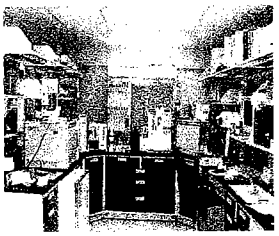
Page ____ of ____

coc27002/4/03

4-17-03;13:29 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

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 : Charles Wood Courtyard Area

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	SAMPLE DATE
2023604	CW1MW026	04/30/02
2023605	CW1MW027	04/30/02
2023606	CW1MW030	04/30/02
2023607	CW1MW031	04/30/02
2023608	CW1MW032	04/30/02
2023609	CW1MW033	04/30/02
2023610	CW1MW034	04/30/02
2023611	CW1MW035	04/30/02
2023612	CW1MW036	04/30/02
2023613	CW1MW037	04/30/02
2023614	CW1MW038	04/30/02
2023615	CW1MW039	04/30/02
2023616	CW1MW040	04/30/02
2023617	CW1MW281	04/30/02
2023618	CW1MW282	04/30/02
2023619	CW1MW291	04/30/02

NJDEP Laboratory Certification # 13461

6-5-02

DanielWright/Date:
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

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

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Hallow
Phone #: X26223
(X)DERA ( )OMA ( )Other:

Project No:
Location: CWI monthly VO's April '02

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15							Hno Read	Remarks / Preservation Method
20236 01	Trip	4/30/02	0726	AQ	2	✓							—	
02	Field Blank		0900			✓							—	
03	Dupe		—			✓							—	
04	CWI MW26		1017			✓							0.0	29-32590
05	CWI MW27		1020			✓							0.0	29-32591
06	CWI MW30		1226			✓							0.0	29-~~32592~~ 43188
07	CWI MW31		1056			✓							0.0	29-43189
08	CWI MW32		1051			✓							0.0	29-43190
09	CWI MW33		1101			✓							0.0	29-43191
10	CWI MW34		1448			✓							0.0	29-43192
11	CWI MW35		1428			✓							0.0	29-43193
12	CWI MW36		1412			✓							0.0	29-43194
13	CWI MW37		1351			✓							0.0	29-43195
14	CWI MW38		0948			✓							0.0	29-43186

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	4/30/02 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

print legibly

Coc4/11/02

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
(X)DERA ( )OMA ( )Other:_____

Project No:
Location: CWI monthly VO's April '02

Samplers Name / Company: Corey McCormach, TVS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15							Hnu Read	Comments: Remarks / Preservation Method
202316 15	CWIMW39	4/30/02	~~1029~~ 1027 cm	AQ	2	✓							0.0	HCL/HNO3/4°C 29-43185
16	CWIMW40		1228			✓							0.0	29-43187
17	CWI MW 281		1029			✓							0.0	29-35312
18	CWI MW 282		~~1030~~ 1306 cm			✓							0.0	29-35313
19	CWI MW 291 *		1003			✓							0.0	29-35314

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormach	4/30/02 1500				
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:
Tides N/A

print legibly

Coc4/11/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW026
NJDEP ID #: 29-32590
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.75 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.14 ft
(7.14) X .65 X 3 = 13.92
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15
pH 5.47 su
DISSOLVED O2 6.10 mg/L
TEMP 16.21 °C
SPECIFIC CONDUCTIVITY 16.71 ms/cm

PURGE END TIME: 10:16
pH 5.11 su
DISSOLVED O2 4.87 mg/L
TEMP 16.11 °C
SPECIFIC CONDUCTIVITY 15.55 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.13 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:17
pH 5.07 su
DISSOLVED O2 4.85 mg/L
TEMP 16.12 °C
SPECIFIC CONDUCTIVITY 15:52 ms/cm

SAMPLE END TIME: 10:19

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW027
NJDEP ID #: 29-32591
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.64 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.25 ft
(7.25) X .65 X 3 = 14.13
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:17
pH 6.71 su — TEMP 16.37 °C
DISSOLVED O2 6.03 mg/L — SPECIFIC CONDUCTIVITY 17.92 ms/cm

PURGE END TIME: 10:18
pH 6.66 su — TEMP 16.12 °C
DISSOLVED O2 4.91 mg/L — SPECIFIC CONDUCTIVITY 16.83 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:20
pH 6.65 su — TEMP 16.11 °C
DISSOLVED O2 4.89 mg/L — SPECIFIC CONDUCTIVITY 16.82 ms/cm

SAMPLE END TIME: 10:21

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW030
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.93 ft
DEPTH OF WELL: 21.45 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.52 ft
(10.52) X .65 X 3 = 20.51
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: 10:54
pH 5.89 su
TEMP 16.29 °C
DISSOLVED O2 6.79 mg/L
SPECIFIC CONDUCTIVITY 15.33 ms/cm

PURGE END TIME: 12:25
pH 5.93 su
TEMP 16.19 °C
DISSOLVED O2 4.76 mg/L
SPECIFIC CONDUCTIVITY 16.49 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 12:26
pH 5.94 su
TEMP 16.19 °C
DISSOLVED O2 4.76 mg/L
SPECIFIC CONDUCTIVITY 16.49 ms/cm

SAMPLE END TIME: 12:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW031
NJDEP ID #: 29-43189
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.57 ft
DEPTH OF WELL: 21.73 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.16 ft
(11.16) X .65 X 3 =21.76
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20
pH 5.70 su
DISSOLVED O2 4.70 mg/L
TEMP 16.76 °C
SPECIFIC CONDUCTIVITY 13.76 ms/cm

PURGE END TIME: 10:55
pH 5.77 su
DISSOLVED O2 3.76 mg/L
TEMP 16.30 °C
SPECIFIC CONDUCTIVITY 14.21 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:56
pH 5.77 su
DISSOLVED O2 3.74 mg/L
TEMP 16.32 °C
SPECIFIC CONDUCTIVITY 14.30 ms/cm

SAMPLE END TIME: 10:58

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW032
NJDEP ID #: 29-43190
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.75 ft
DEPTH OF WELL: 21.80 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: 09:23
pH 6.27 su
TEMP 16.51 °C
DISSOLVED O2 5.11 mg/L
SPECIFIC CONDUCTIVITY 17.21 ms/cm

PURGE END TIME: 10:50
pH 5.81 su
TEMP 16.33 °C
DISSOLVED O2 3.76 mg/L
SPECIFIC CONDUCTIVITY 17.04 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.90 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:51
pH 5.80 su
TEMP 16.31 °C
DISSOLVED O2 3.74 mg/L
SPECIFIC CONDUCTIVITY 17.03 ms/cm

SAMPLE END TIME: 10:53

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW033
NJDEP ID #: 29-43191
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.68 ft
DEPTH OF WELL: 23.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.32 ft
(11.32) X .65 X 3 = 22.07
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25
pH 5.47 su — TEMP 16.87 °C
DISSOLVED O2 6.71 mg/L — SPECIFIC CONDUCTIVITY 16.23 ms/cm

PURGE END TIME: 11:00
pH 5.40 su — TEMP 16.50 °C
DISSOLVED O2 5.62 mg/L — SPECIFIC CONDUCTIVITY 16.37 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 11:01
pH 5.40 su — TEMP 16.50 °C
DISSOLVED O2 5.60 mg/L — SPECIFIC CONDUCTIVITY 16.36 ms/cm

SAMPLE END TIME: 11:03

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW034
NJDEP ID #: 29-43192
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.99 ft
DEPTH OF WELL: 19.46 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.47 ft
(10.47) X .65 X 3 =20.41
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: 13:20
pH 6.93 su
DISSOLVED O2 5.37 mg/L
TEMP 16.37 °C
SPECIFIC CONDUCTIVITY 15.37 ms/cm

PURGE END TIME: 14:47
pH 6.61 su
DISSOLVED O2 3.91 mg/L
TEMP 16.20 °C
SPECIFIC CONDUCTIVITY 14.09 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.40 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 14:48
pH 6.60 su
DISSOLVED O2 3.90 mg/L
TEMP 16.17 °C
SPECIFIC CONDUCTIVITY 14.10 ms/cm

SAMPLE END TIME: 14:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW035
NJDEP ID #: 29-43193
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.83 ft
DEPTH OF WELL: 16.48 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.65 ft
(7.65) X .65 X 3 =14.91
GALLONS OF H2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:22
pH 6.83 su — TEMP 16.76 °C
DISSOLVED O2 4.76 mg/L — SPECIFIC CONDUCTIVITY 53.11 ms/cm

PURGE END TIME: 14:27
pH 6.69 su — TEMP 16.41 °C
DISSOLVED O2 4.00 mg/L — SPECIFIC CONDUCTIVITY 54.21 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.87 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:18
pH 6.70 su — TEMP 16.40 °C
DISSOLVED O2 3.87 mg/L — SPECIFIC CONDUCTIVITY 54.23 ms/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW036
NJDEP ID #: 29-43194
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.47 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.81 ft
(6.81) X .65 X 3 = 13.27
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:18
pH 6.91 su
TEMP 16.41 °C
DISSOLVED O2 5.31 mg/L
SPECIFIC CONDUCTIVITY 15.11 ms/cm

PURGE END TIME: 14:11
pH 6.80 su
TEMP 16.20 °C
DISSOLVED O2 4.76 mg/L
SPECIFIC CONDUCTIVITY 15.98 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.02 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 14:12
pH 6.79 su
TEMP 16.20 °C
DISSOLVED O2 4.71 mg/L
SPECIFIC CONDUCTIVITY 16.03 ms/cm

SAMPLE END TIME: 14:14

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW037
NJDEP ID #: 29-43195
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.05 ft
DEPTH OF WELL: 13.21 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.16 ft
(4.16) X .65 X 3 = 8.11
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:15
pH 6.84 su
DISSOLVED O2 5.31 mg/L
TEMP 16.81 °C
SPECIFIC CONDUCTIVITY 57.21 ms/cm

PURGE END TIME: 13:50
pH 6.71 su
DISSOLVED O2 2.71 mg/L
TEMP 16.40 °C
SPECIFIC CONDUCTIVITY 55.32 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 13:51
pH 6.70 su
DISSOLVED O2 2.14 mg/L
TEMP 16.37 °C
SPECIFIC CONDUCTIVITY 55.17 ms/cm

SAMPLE END TIME: 13:53

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW038
NJDEP ID #: 29-43186
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 12.85 ft
DEPTH OF WELL: 51.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 38.90 ft
(38.90) X .65 X 3 =75.85
GALLONS OF H2O TO BE PURGED: 76 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 0.0 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:04
pH 6.47 su
DISSOLVED O2 5.11 mg/L
TEMP 15. 47 °C
SPECIFIC CONDUCTIVITY 78.37 ms/cm

PURGE END TIME: 09:47
pH 6.11 su
DISSOLVED O2 3.20 mg/L
TEMP 15.11 °C
SPECIFIC CONDUCTIVITY 75.41 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 15.23 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 76 gal

SAMPLE START TIME: 09:48
pH 6.11 su
DISSOLVED O2 3.17 mg/L
TEMP 15.09 °C
SPECIFIC CONDUCTIVITY 75.38 ms/cm

SAMPLE END TIME: 09:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW039
NJDEP ID #: 29-43185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.16 ft
DEPTH OF WELL: 49.69 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 36.53 ft
(36.53) X .65 X 3 =71.23
GALLONS OF H2O TO BE PURGED: 71 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 0.0 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:45
pH 6.43 su
DISSOLVED O2 4.77 mg/L
TEMP 15.76 °C
SPECIFIC CONDUCTIVITY 78.63 ms/cm

PURGE END TIME: 11:26
pH 5.91 su
DISSOLVED O2 3.09 mg/L
TEMP 15.40 °C
SPECIFIC CONDUCTIVITY 77.40 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 15.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 71 gal

SAMPLE START TIME: 11:27
pH 5.88 su
DISSOLVED O2 2.89 mg/L
TEMP 15.40 °C
SPECIFIC CONDUCTIVITY 73.91 ms/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW040
NJDEP ID #: 29-43187
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.88 ft
DEPTH OF WELL: 48.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 34.62 ft
(34.62) X .65 X 3 = 67.50
GALLONS OF H2O TO BE PURGED: 68 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:50
pH 6.69 su — TEMP 15.76 °C
DISSOLVED O2 5.21 mg/L — SPECIFIC CONDUCTIVITY 70.91 ms/cm

PURGE END TIME: 12:27
pH 6.51 su — TEMP 15.20 °C
DISSOLVED O2 3.76 mg/L — SPECIFIC CONDUCTIVITY 70.55 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 15.78 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 68 gal

SAMPLE START TIME: 12:28
pH 6.48 su — TEMP 15.17 °C
DISSOLVED O2 3.41 mg/L — SPECIFIC CONDUCTIVITY 70.57 ms/cm

SAMPLE END TIME: 12:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW281
NJDEP ID #: 29-35312
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 12.36 ft
DEPTH OF WELL: 43.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 30.84 ft
(30.84) X .65 X 3 =60.13
GALLONS OF H2O TO BE PURGED: 60 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 0.0 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:55
pH 6.59 su — TEMP 16.41 °C
DISSOLVED O2 4.76 mg/L — SPECIFIC CONDUCTIVITY 66.31 ms/cm

PURGE END TIME: 10:28
pH 6.40 su — TEMP 16.30 °C
DISSOLVED O2 3.78 mg/L — SPECIFIC CONDUCTIVITY 68.11 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 60 gal

SAMPLE START TIME: 10:29
pH 6.41 su — TEMP 16.31 °C
DISSOLVED O2 3.76 mg/L — SPECIFIC CONDUCTIVITY 68.09 ms/cm

SAMPLE END TIME: 10:31

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW282
NJDEP ID #: 29-35313
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 4.53 ft
DEPTH OF WELL: 17.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 13.42 ft
(13.42) X .65 X 3 = 26.16
GALLONS OF H2O TO BE PURGED: 26 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:12
pH 5.71 su — TEMP 16.91 °C
DISSOLVED O2 5.76 mg/L — SPECIFIC CONDUCTIVITY 17.77 ms/cm

PURGE END TIME: 13:05
pH 5.57 su — TEMP 16.43 °C
DISSOLVED O2 4.76 mg/L — SPECIFIC CONDUCTIVITY 17.20 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.16 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 26 gal

SAMPLE START TIME: 13:06
pH 5.53 su — TEMP 16.40 °C
DISSOLVED O2 4.73 mg/L — SPECIFIC CONDUCTIVITY 17.19 ms/cm

SAMPLE END TIME: 13:07

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW291
NJDEP ID #: 29-35314
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 04/30/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.83 ft
DEPTH OF WELL: 18.18 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.35 ft
(6.35) X .65 X 3 =12.38
GALLONS OF H2O TO BE PURGED: 12 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:10
pH 5.37 su
TEMP 16.71 °C
DISSOLVED O2 6.37 mg/L
SPECIFIC CONDUCTIVITY 17.59 ms/cm

PURGE END TIME: 10:02
pH 5.20 su
TEMP 16.39 °C
DISSOLVED O2 5.60 mg/L
SPECIFIC CONDUCTIVITY 17.21 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.95 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 10:03
pH 5.19 su
TEMP 16.35 °C
DISSOLVED O2 5.57 mg/L
SPECIFIC CONDUCTIVITY 17.23 ms/cm

SAMPLE END TIME: 10:05

COMMENTS: DUP. Here.

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	:	Method Detection Limit
J	:	Compound identified below detection limit
B	:	Compound found in blank
D	:	Results are from a dilution of the sample
U	:	Compound searched for but not detected
E	:	Compound exceeds calibration limit
PQL	:	Practical Quantitation Limit
NLE	:	No limit established
RT	:	Retention time

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

Data File	**VC008167.D**	Sample Name	**MB 10May02**
Operator	**Skelton**	Field ID	**MB 10May02**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008168.D**	Sample Name	**2023601**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.83	104406	21.49 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008169.D**	Sample Name	**2023602**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.83	16729	3.49 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008170.D**	Sample Name	**2023603**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008171.D**	Sample Name	**2023604**
Operator	**Skelton**	Field ID	**CW1MW26**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008172.D**	Sample Name	**2023605**
Operator	**Skelton**	Field ID	**CW1MW27**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

5/21/02 1:28 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

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

Data File	**VC008173.D**	Sample Name	**2023606**
Operator	**Skelton**	Field ID	**CW1MW30**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008174.D**	Sample Name	**2023607**
Operator	**Skelton**	Field ID	**CW1MW31**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane	17.59	46982	6.79 ug/L	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008175.D**	Sample Name	**2023608**
Operator	**Skelton**	Field ID	**CW1MW32**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008176.D**	Sample Name	**2023609**
Operator	**Skelton**	Field ID	**CW1MW33**
Date Aquired	**10-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

5/21/02 1:28 PM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

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

Data File	**VC008177.D**	Sample Name	**2023610**
Operator	**Skelton**	Field ID	**CW1MW34**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008178.D**	Sample Name	**2023611**
Operator	**Skelton**	Field ID	**CW1MW35**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008179.D**	Sample Name	**2023612**
Operator	**Skelton**	Field ID	**CW1MW36**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008180.D**	Sample Name	**2023613**
Operator	**Skelton**	Field ID	**CW1MW37**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008181.D**	Sample Name	**2023614**
Operator	**Skelton**	Field ID	**CW1MW38**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008182.D**	Sample Name	**2023615**
Operator	**Skelton**	Field ID	**CW1MW39**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008183.D**	Sample Name	**2023616**
Operator	**Skelton**	Field ID	**CW1MW40**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008184.D**	Sample Name	**2023617**
Operator	**Skelton**	Field ID	**CW1MW281**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.38	111102	26.97 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008185.D**	Sample Name	**2023618**
Operator	**Skelton**	Field ID	**CW1MW282**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

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

Data File	**VC008186.D**	Sample Name	**2023619**
Operator	**Skelton**	Field ID	**CW1MW291**
Date Aquired	**11-May-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 10May02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 10May02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008167.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blankl**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008168.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008169.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008170.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW26**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008171.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW27**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023605

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008172.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW30**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023606

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008173.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW31**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023607

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008174.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW32**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023608

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008175.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW33**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023609

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008176.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/10/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW34**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023610

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008177.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW35**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023611

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008178.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW36**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023612

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008179.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW37**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023613

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008180.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW38**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023614

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008181.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW39**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023615

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008182.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW40**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023616

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008183.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW281**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023617

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008184.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW282**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023618

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008185.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. _____ Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW291**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20236 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2023619

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008186.D

Level: (low/med) LOW Date Received: 4/30/02

% Moisture: not dec. Date Analyzed: 5/11/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS
PHONE: (732)532-4359 FAX: (732)532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

ANALYTICAL DATA REPORT
FOR
Directorate of Public Works

Fort Monmouth, NJ 07703
PROJECT : DERA/ Long Term Monitoring

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2033804	CW1MW026	29-32590	05/31/02
2033805	CW1MW027	29-32591	05/31/02
2033806	CW1MW030	29-43188	05/31/02
2033807	CW1MW031	29-43189	05/31/02
2033808	CW1MW032	29-43190	05/31/02
2033809	CW1MW033	29-43191	05/31/02
2033810	CW1MW034	29-43192	05/31/02
2033811	CW1MW035	29-43193	05/31/02
2033812	CW1MW036	29-43194	05/31/02
2033813	CW1MW037	29-43195	05/31/02
2033817	CW1MW038	29-43186	05/31/02
2033818	CW1MW039	29-43185	05/31/02
2033819	CW1MW040	29-43187	05/31/02
2033816	CW1MW281	29-35312	05/31/02
2033814	CW1MW282	29-35313	05/31/02
2033815	CW1MW291	29-35314	05/31/02

NJDEP Laboratory Certification # 13461

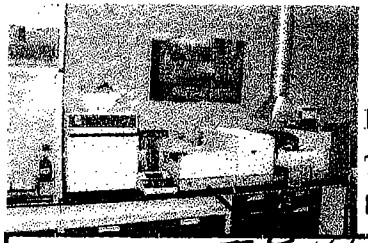
7-22-02

Daniel Wright/Date:
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

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



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
(X)DERA ( )OMA ( )Other: _____

Project No:
Location: Cwi wells
2nd Qrtr '02 mnthly / Qrtly

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCL / HNO_3 / 4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA +15	TAL MTLS	Pest / PCB	BNA +25				Hw Read	Remarks / Preservation Method
20338 01	Trip	5/31/02	0739	AQ	2	✓							—	
02	Field Blank		0900		5	✓	✓	✓	✓				—	
03	Dupe		—		5	✓	✓	✓	✓				—	
04	CWI MW26		1032		5	✓	✓	✓	✓				0.0	29-32590
05	CWI MW27		1037			✓	✓	✓	✓				0.0	29-32591
06	CWI MW30		1048			✓	✓	✓	✓				0.0	29-43188
07	CWI MW31 *		1051			✓	✓	✓	✓				0.0	29-43189
08	CWI MW32		1057			✓	✓	✓	✓				0.0	29-43190
09	CWI MW33		1046			✓	✓	✓	✓				0.0	29-43191
10	CWI MW34		1404			✓	✓	✓	✓				0.0	29-43192
11	CWI MW35		1336			✓	✓	✓	✓				0.0	29-43193
12	CWI MW36		1322			✓	✓	✓	✓				0.0	29-43194
13	CWI MW37		1256			✓	✓	✓	✓				0.0	29-43195
14	CWI MW282		1152		5	✓	✓	✓	✓				0.0	29-35313

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	5/31/02 1415	J. Vergara			
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

Coc4/11/02

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: X26223
(X) DERA ( ) OMA ( ) Other: _____

Project No:
Location: CWI wells
2nd Qrtr '02 mnthly/Qrtly

Samplers Name / Company: Corey McCormach, TVS

Analysis Parameters

Comments: HCl/HNO3/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOT15	TAL MTLS	Pest/PCB	BNA+25				Hav Read	Remarks / Preservation Method
20338 15	CWI mw 291 *	5/31/02	1146	AQ	5	✓	✓	✓	✓				0.0	29-35314
16	CWI mw 281		0931			✓	✓	✓	✓				0.0	29-35312
17	CWI mw 38		1020			✓	✓	✓	✓				0.0	29-43186
18	CWI mw 39		1107			✓	✓	✓	✓				0.0	29-43185
19	CWI mw 40		1335			✓	✓	✓	✓				0.0	29-43187

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormach	5/31/02 1415	J. Vergara			
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
* Bottle Rec'd Broken For P/P. Will be Resampled

print legibly

Coc4/11/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW026
NJDEP ID #: 29-32590
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.81 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.08 ft
(7.08) X .65 X 3 = 13.80
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30
pH 6.71 su — TEMP 17.91 °C
DISSOLVED O2 5.21 mg/L — SPECIFIC CONDUCTIVITY 10.71 ms/cm

PURGE END TIME: 10:31
pH 6.51 su — TEMP 16.87 °C
DISSOLVED O2 3.71 mg/L — SPECIFIC CONDUCTIVITY 15.98 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.05 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:32
pH 6.50 su — TEMP 16.83 °C
DISSOLVED O2 3.68 mg/L — SPECIFIC CONDUCTIVITY 15:87 ms/cm

SAMPLE END TIME: 10:35

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW027
NJDEP ID #: 29-32591
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm..
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.70 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.19 ft
(7.19) X .65 X 3 = 14.02
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:35
pH 4.47 su — TEMP 18.71 °C
DISSOLVED O2 7.61 mg/L — SPECIFIC CONDUCTIVITY 15.71 ms/cm

PURGE END TIME: 10:36
pH 4.39 su — TEMP 17.21 °C
DISSOLVED O2 5.30 mg/L — SPECIFIC CONDUCTIVITY 16.31 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:37
pH 4.37 su — TEMP 17.20 °C
DISSOLVED O2 5.27 mg/L — SPECIFIC CONDUCTIVITY 16.42 ms/cm

SAMPLE END TIME: 10:41

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW030
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.96 ft
DEPTH OF WELL: 21.45 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.49 ft
(10.49) X .65 X 3 = 20.45
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: 09:20
pH 5.47 su — TEMP 17.79 °C
DISSOLVED O2 5.71 mg/L — SPECIFIC CONDUCTIVITY 16.20 ms/cm

PURGE END TIME: 10:47
pH 5.31 su — TEMP 16.87 °C
DISSOLVED O2 4.20 mg/L — SPECIFIC CONDUCTIVITY 15.87 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.09 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:48
pH 5.30 su — TEMP 16.83 °C
DISSOLVED O2 4.17 mg/L — SPECIFIC CONDUCTIVITY 15.84 ms/cm

SAMPLE END TIME: 10:53

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW031
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.61 ft
DEPTH OF WELL: 21.73 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.12 ft
(11.12) X .65 X 3 =21.68
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15
pH 5.87 su — TEMP 17.90 °C
DISSOLVED O2 5.23 mg/L — SPECIFIC CONDUCTIVITY 15.47 ms/cm

PURGE END TIME: 10:50
pH 5.83 su — TEMP 17.32 °C
DISSOLVED O2 4.67 mg/L — SPECIFIC CONDUCTIVITY 15.59 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.73 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:51
pH 5.81 su — TEMP 17.31 °C
DISSOLVED O2 4.65 mg/L — SPECIFIC CONDUCTIVITY 15.62 ms/cm

SAMPLE END TIME: 10:55

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW032
NJDEP ID #: 29-43190
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.78 ft
DEPTH OF WELL: 21.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.02 ft
(10.02) X .65 X 3 = 19.53
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: 09:25
pH 5.67 su — TEMP 18.71 °C
DISSOLVED O2 6.95 mg/L — SPECIFIC CONDUCTIVITY 16.12 ms/cm

PURGE END TIME: 10:52
pH 5.61 su — TEMP 17.23 °C
DISSOLVED O2 4.21 mg/L — SPECIFIC CONDUCTIVITY 16.29 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.04 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:57
pH 5.61 su — TEMP 17.20 °C
DISSOLVED O2 4.17 mg/L — SPECIFIC CONDUCTIVITY 16.29 ms/cm

SAMPLE END TIME: 11:02

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW033
NJDEP ID #: 29-43191
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.66 ft
DEPTH OF WELL: 23.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.34 ft
(11.34) X .65 X 3 = 22.11
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:10
pH 5.57 su — TEMP 18.31 °C
DISSOLVED O2 5.87 mg/L — SPECIFIC CONDUCTIVITY 15.11 ms/cm

PURGE END TIME: 10:45
pH 5.41 su — TEMP 17.24 °C
DISSOLVED O2 4.21 mg/L — SPECIFIC CONDUCTIVITY 15.79 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:46
pH 5.40 su — TEMP 17.21 °C
DISSOLVED O2 4.19 mg/L — SPECIFIC CONDUCTIVITY 15.89 ms/cm

SAMPLE END TIME: 10:48

COMMENTS: Low drain down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW034
NJDEP ID #: 29-43192
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm..
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.03 ft
DEPTH OF WELL: 19.46 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.43 ft
(10.43) X .65 X 3 =20.33
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: 12:35
pH 6.99 su
TEMP 18.91 °C
DISSOLVED O2 5.12 mg/L
SPECIFIC CONDUCTIVITY 12.11 ms/cm

PURGE END TIME: 14:03
pH 6.57 su
TEMP 17.63 °C
DISSOLVED O2 4.11 mg/L
SPECIFIC CONDUCTIVITY 13.71 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.75 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 14:04
pH 6.55 su
TEMP 17.54 °C
DISSOLVED O2 4.07 mg/L
SPECIFIC CONDUCTIVITY 13.82 ms/cm

SAMPLE END TIME: 14:09

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW035
NJDEP ID #: 29-43193
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm..
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.61 ft
DEPTH OF WELL: 16.48 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.87 ft
(7.87) X .65 X 3 =15.34
GALLONS OF H2O 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: 12:30
pH 6.76 su — TEMP 17.87 °C
DISSOLVED O2 5.17 mg/L — SPECIFIC CONDUCTIVITY 53.71 ms/cm

PURGE END TIME: 13:35
pH 6.67 su — TEMP 17.21 °C
DISSOLVED O2 3.78 mg/L — SPECIFIC CONDUCTIVITY 57.81 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.75 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 13:36
pH 6.65 su — TEMP 17.18 °C
DISSOLVED O2 3.76 mg/L — SPECIFIC CONDUCTIVITY 57.87 ms/cm

SAMPLE END TIME: 13:40

COMMENTS: Low drain down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW036
NJDEP ID #: 29-43194
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm..
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.49 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.79 ft
(6.79) X .65 X 3 = 13.24
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:25
pH 6.79 su — TEMP 17.91 °C
DISSOLVED O2 6.21 mg/L — SPECIFIC CONDUCTIVITY 14.24 ms/cm

PURGE END TIME: 13:21
pH 6.43 su — TEMP 17.11 °C
DISSOLVED O2 4.87 mg/L — SPECIFIC CONDUCTIVITY 14.79 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.44 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 13:22
pH 6.40 su — TEMP 17.09 °C
DISSOLVED O2 4.83 mg/L — SPECIFIC CONDUCTIVITY 14.83 ms/cm

SAMPLE END TIME: 13:25

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW037
NJDEP ID #: 29-43195
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm..
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.05 ft
DEPTH OF WELL: 13.21 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.16 ft
(4.16) X .65 X 3 =8.112
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:20
pH 6.83 su — TEMP 18.76 °C
DISSOLVED O2 4.32 mg/L — SPECIFIC CONDUCTIVITY 50.71 ms/cm

PURGE END TIME: 12:55
pH 6.71 su — TEMP 17.21 °C
DISSOLVED O2 3.21 mg/L — SPECIFIC CONDUCTIVITY 51.98 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.75 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 12:56
pH 6.72 su — TEMP 17.11 °C
DISSOLVED O2 3.17 mg/L — SPECIFIC CONDUCTIVITY 52.87 ms/cm

SAMPLE END TIME: 13:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW038
NJDEP ID #: 29-43186
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.16 ft
DEPTH OF WELL: 51.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 38.59 ft
(38.59) X .65 X 3 =75.25
GALLONS OF H2O TO BE PURGED: 75 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.88 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:39
pH 6.73 su — TEMP 15.98 °C
DISSOLVED O2 5.30 mg/L — SPECIFIC CONDUCTIVITY 80.21 ms/cm

PURGE END TIME: 10:19
pH 6.63 su — TEMP 15.17 °C
DISSOLVED O2 4.07 mg/L — SPECIFIC CONDUCTIVITY 84.39 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 15.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 75 gal

SAMPLE START TIME: 10:20
pH 6.61 su — TEMP 15.16 °C
DISSOLVED O2 3.87 mg/L — SPECIFIC CONDUCTIVITY 84.44 ms/cm

SAMPLE END TIME: 10:24

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW039
NJDEP ID #: 29-43185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.55 ft
DEPTH OF WELL: 49.69 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 36.14 ft
(36.14) X .65 X 3 =70.74
GALLONS OF H2O TO BE PURGED: 70 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.92 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:30
pH 6.32 su — TEMP 15.69 °C
DISSOLVED O2 5.78 mg/L — SPECIFIC CONDUCTIVITY 76.21 ms/cm

PURGE END TIME: 11:06
pH 6.20 su — TEMP 15.11 °C
DISSOLVED O2 4.30 mg/L — SPECIFIC CONDUCTIVITY 71.87 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 16.29 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 70 gal

SAMPLE START TIME: 11:07
pH 6.17 su — TEMP 15.07 °C
DISSOLVED O2 4.27 mg/L — SPECIFIC CONDUCTIVITY 70.98 ms/cm

SAMPLE END TIME: 11:11

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW040
NJDEP ID #: 29-43187
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 14.22 ft
DEPTH OF WELL: 48.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 34.28 ft
(34.28) X .65 X 3 = 66.84
GALLONS OF H2O TO BE PURGED: 67 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.96 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 6.48 su — TEMP 15.57 °C
DISSOLVED O2 5.32 mg/L — SPECIFIC CONDUCTIVITY 65.71 ms/cm

PURGE END TIME: 13:34
pH 6.35 su — TEMP 15.17 °C
DISSOLVED O2 4.21 mg/L — SPECIFIC CONDUCTIVITY 66.81 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 16.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 67 gal

SAMPLE START TIME: 13:35
pH 6.37 su — TEMP 15.12 °C
DISSOLVED O2 4.17 mg/L — SPECIFIC CONDUCTIVITY 66.91 ms/cm

SAMPLE END TIME: 13:40

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW281
NJDEP ID #: 29-35312
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 12.70 ft
DEPTH OF WELL: 43.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 30.50 ft
(30.50) X .65 X 3 =59.47
GALLONS OF H2O TO BE PURGED: 59 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.96 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:00
pH 6.50 su — TEMP 16.11 °C
DISSOLVED O2 5.07 mg/L — SPECIFIC CONDUCTIVITY 67.81 ms/cm

PURGE END TIME: 09:30
pH 6.37 su — TEMP 15.41 °C
DISSOLVED O2 3.21 mg/L — SPECIFIC CONDUCTIVITY 68.90 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 59 gal

SAMPLE START TIME: 09:31
pH 6.35 su — TEMP 15.37 °C
DISSOLVED O2 3.17 mg/L — SPECIFIC CONDUCTIVITY 68.92 ms/cm

SAMPLE END TIME: 09:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW282
NJDEP ID #: 29-35313
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.65 ft
DEPTH OF WELL: 17.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.30 ft
(8.30) X .65 X 3 = 16.18
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: 10:42
pH 5.55 su — TEMP 17.07 °C
DISSOLVED O2 5.20 mg/L — SPECIFIC CONDUCTIVITY 17.91 ms/cm

PURGE END TIME: 11:51
pH 5.32 su — TEMP 16.27 °C
DISSOLVED O2 4.37 mg/L — SPECIFIC CONDUCTIVITY 17.93 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 11:52
pH 5.31 su — TEMP 16.24 °C
DISSOLVED O2 4.35 mg/L — SPECIFIC CONDUCTIVITY 17.95 ms/cm

SAMPLE END TIME: 11:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW291
NJDEP ID #: 29-35314
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 05/31/02
WEATHER: Sunny and warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.87 ft
DEPTH OF WELL: 18.18 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.31 ft
(6.31) X .65 X 3 =12.80
GALLONS OF H2O TO BE PURGED: 12 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:55
pH 5.30 su
DISSOLVED O2 5.68 mg/L
TEMP 16.71 °C
SPECIFIC CONDUCTIVITY 18.11 ms/cm

PURGE END TIME: 11:45
pH 5.21 su
DISSOLVED O2 4.27 mg/L
TEMP 16.20 °C
SPECIFIC CONDUCTIVITY 18.30 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.06 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 11:46
pH 5.20 su
DISSOLVED O2 4.23 mg/L
TEMP 16.17 °C
SPECIFIC CONDUCTIVITY 18.32 ms/cm

SAMPLE END TIME: 11:49

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	:	Method Detection Limit
J	:	Compound identified below detection limit
B	:	Compound found in blank
D	:	Results are from a dilution of the sample
U	:	Compound searched for but not detected
E	:	Compound exceeds calibration limit
PQL	:	Practical Quantitation Limit
NLE	:	No limit established
RT	:	Retention time

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

Data File	**VB011342.D**	Sample Name	**MB 06Jun02**
Operator	**Skelton**	Field ID	**MB 06Jun02**
Date Acquired	**6 Jun 2002 1:09 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy01.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 06Jun02

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 06Jun02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011342.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/6/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011354.D**	Sample Name	**2033801s**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**6 Jun 2002 9:50 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride	11.21	36956	1.48 ug/L	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033801s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011354.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/6/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011355.D**	Sample Name	**2033802s**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**6 Jun 2002 10:30 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride	11.22	53560	2.13 ug/L	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033802s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011355.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/6/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011356.D**	Sample Name	**2033803s**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**6 Jun 2002 11:10 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane	17.48	179472	4.88 ug/L	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033803s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011356.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/6/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011357.D**	Sample Name	**2033804s**
Operator	**Skelton**	Field ID	**CW1MW26**
Date Acquired	**6 Jun 2002 11:50 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW26

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033804s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011357.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/6/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011358.D**	Sample Name	**2033805s**
Operator	**Skelton**	Field ID	**CW1MW27**
Date Acquired	**7 Jun 2002 12:30 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW27**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033805s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011358.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011359.D**	Sample Name	**2033806s**
Operator	**Skelton**	Field ID	**CW1MW30**
Date Acquired	**7 Jun 2002 1:11 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW30**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033806s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011359.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011360.D**	Sample Name	**2033807s**
Operator	**Skelton**	Field ID	**CW1MW31**
Date Acquired	**7 Jun 2002 1:51 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane	17.48	171076	4.57 ug/L	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW31**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033807s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011360.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011361.D**	Sample Name	**2033808s**
Operator	**Skelton**	Field ID	**CW1MW32**
Date Acquired	**7 Jun 2002 2:31 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform	16.29	63421	1.38 ug/L	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW32**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033808s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011361.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011362.D**	Sample Name	**2033809s**
Operator	**Skelton**	Field ID	**CW1MW33**
Date Acquired	**7 Jun 2002 3:11 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW33**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033809s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011362.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011363.D**	Sample Name	**2033810s**
Operator	**Skelton**	Field ID	**CW1MW34**
Date Acquired	**7 Jun 2002 3:51 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW34**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033810s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011363.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011364.D**	Sample Name	**2033811s**
Operator	**Skelton**	Field ID	**CW1MW35**
Date Acquired	**7 Jun 2002 4:32 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW35**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033811s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011364.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011365.D**	Sample Name	**2033812s**
Operator	**Skelton**	Field ID	**CW1MW36**
Date Acquired	**7 Jun 2002 5:12 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW36**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033812s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011365.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011366.D**	Sample Name	**2033813s**
Operator	**Skelton**	Field ID	**CW1MW37**
Date Acquired	**7 Jun 2002 5:52 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW37**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033813s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011366.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011370.D**	Sample Name	**2033817**
Operator	**Skelton**	Field ID	**CW1MW38**
Date Acquired	**7 Jun 2002 8:33 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW38**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033817

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011370.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011371.D**	Sample Name	**2033818**
Operator	**Skelton**	Field ID	**CW1MW39**
Date Acquired	**7 Jun 2002 9:13 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW39**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033818

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011371.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011372.D**	Sample Name	**2033819**
Operator	**Skelton**	Field ID	**CW1MW40**
Date Acquired	**7 Jun 2002 9:54 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW40

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033819

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011372.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011369.D**	Sample Name	**2033816s**
Operator	**Skelton**	Field ID	**CW1MW281**
Date Acquired	**7 Jun 2002 7:52 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene	20.38	688962	25.32 ug/L	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW281**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033816s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011369.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011367.D**	Sample Name	**2033814s**
Operator	**Skelton**	Field ID	**CW1MW282**
Date Acquired	**7 Jun 2002 6:32 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW282

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033814s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011367.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011368.D**	Sample Name	**2033815s**
Operator	**Skelton**	Field ID	**CW1MW291**
Date Acquired	**7 Jun 2002 7:12 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether	11.89	3875028	62.02 ug/L	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW291

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20338 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2033815s

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011368.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: not dec. _____ Date Analyzed: 6/7/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06848.D**	Sample Name	**MB-060402**
Operator	**BPatel**	Misc Info	**MB-060402**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06848.D**	Sample Name	**MB-060402**
Operator	**BPatel**	Misc Info	**MB-060402**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-060402**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MB-060402

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06848.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/4/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/5/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.48	5	J
2.	unknown	30.19	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06866.D**	Sample Name	**MB-060502**
Operator	**BPatel**	Misc Info	**MB-060502**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06866.D**	Sample Name	**MB-060502**
Operator	**BPatel**	Misc Info	**MB-060502**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **MB-060502**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB-060502

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06866.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.47	4	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	10	JN
3.	unknown	25.29	11	J
4. 000123-95-5	Octadecanoic acid, butyl ester	27.03	7	JN
5.	unknown	30.18	23	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06859.D**	Sample Name	**2033802**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06859.D**	Sample Name	**2033802**
Operator	**BPatel**	Misc Info	**Field Blank**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033802

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06859.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/4/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/5/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06860.D**	Sample Name	**2033803**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06860.D**	Sample Name	**2033803**
Operator	**BPatel**	Misc Info	**Dupe**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033803

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06860.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/4/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/5/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06861.D**	Sample Name	**2033804**
Operator	**BPatel**	Misc Info	**CW1MW26**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06861.D**	Sample Name	**2033804**
Operator	**BPatel**	Misc Info	**CW1MW26**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW26**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033804

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06861.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/4/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/5/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	7	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06862.D**	Sample Name	**2033805**
Operator	**BPatel**	Misc Info	**CW1MW27**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06862.D**	Sample Name	**2033805**
Operator	**BPatel**	Misc Info	**CW1MW27**
Date Acquired	**5-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW27**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033805

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06862.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/4/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/5/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	6	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06863.D**	Sample Name	**2033806**
Operator	**BPatel**	Misc Info	**CW1MW30**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06863.D**	Sample Name	**2033806**
Operator	**BPatel**	Misc Info	**CW1MW30**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW30**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033806

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06863.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/4/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	8	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06868.D**	Sample Name	**2033807**
Operator	**BPatel**	Misc Info	**CW1MW31**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06868.D**	Sample Name	**2033807**
Operator	**BPatel**	Misc Info	**CW1MW31**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW31**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033807

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06868.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-82-0	Dodecanoic acid, methyl ester	18.30	8	JN
2.	unknown	25.29	12	J
3. 000123-95-5	Octadecanoic acid, butyl ester	27.03	9	JN
4.	unknown	30.18	15	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06869.D**	Sample Name	**2033808**
Operator	**BPatel**	Misc Info	**CW1MW32**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06869.D**	Sample Name	**2033808**
Operator	**BPatel**	Misc Info	**CW1MW32**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW32**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033808

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06869.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-82-0	Dodecanoic acid, methyl ester	18.30	5	JN
2.	unknown	25.29	8	J
3. 000123-95-5	Octadecanoic acid, butyl ester	27.03	6	JN
4.	unknown	30.18	10	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06870.D**	Sample Name	**2033809**
Operator	**BPatel**	Misc Info	**CW1MW33**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06870.D**	Sample Name	**2033809**
Operator	**BPatel**	Misc Info	**CW1MW33**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW33**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033809

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06870.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-82-0	Dodecanoic acid, methyl ester	18.30	6	JN
2.	unknown	25.29	8	J
3. 000123-95-5	Octadecanoic acid, butyl ester	27.03	6	JN
4.	unknown	30.18	11	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06871.D**	Sample Name	**2033810**
Operator	**BPatel**	Misc Info	**CW1MW34**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06871.D**	Sample Name	**2033810**
Operator	**BPatel**	Misc Info	**CW1MW34**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW34**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033810

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06871.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	5	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	7	JN
3.	unknown	25.29	9	J
4. 000123-95-5	Octadecanoic acid, butyl ester	27.03	6	JN
5.	unknown	30.18	14	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06872.D**	Sample Name	**2033811**
Operator	**BPatel**	Misc Info	**CW1MW35**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06872.D**	Sample Name	**2033811**
Operator	**BPatel**	Misc Info	**CW1MW35**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	28.33	105336	1.88 ug/L	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW35**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033811

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06872.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-82-0	Dodecanoic acid, methyl ester	18.30	10	JN
2.	unknown	25.29	12	J
3. 000000-00-0	Butyl tetradecanoate (myristate)	27.02	8	JN
4.	unknown	30.18	25	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06873.D**	Sample Name	**2033812**
Operator	**BPatel**	Misc Info	**CW1MW36**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06873.D**	Sample Name	**2033812**
Operator	**BPatel**	Misc Info	**CW1MW36**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW36**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033812

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06873.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000111-82-0	Dodecanoic acid, methyl ester	18.30	7	JN
2.	unknown	25.29	8	J
3. 000123-95-5	Octadecanoic acid, butyl ester	27.02	6	JN
4.	unknown	30.18	17	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06874.D**	Sample Name	**2033813**
Operator	**BPatel**	Misc Info	**CW1MW37**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline	10.23	50360	1.12 ug/L	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06874.D**	Sample Name	**2033813**
Operator	**BPatel**	Misc Info	**CW1MW37**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW37**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033813

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06874.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	5	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	5	JN
3. 000301-02-0	9-Octadecenamide, (Z)-	30.18	19	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06878.D**	Sample Name	**2033817**
Operator	**BPatel**	Misc Info	**CW1MW38**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06878.D**	Sample Name	**2033817**
Operator	**BPatel**	Misc Info	**CW1MW38**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW38**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033817

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06878.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.47	6	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	5	JN
3.	unknown	30.18	22	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06879.D**	Sample Name	**2033818**
Operator	**BPatel**	Misc Info	**CW1MW39**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06879.D**	Sample Name	**2033818**
Operator	**BPatel**	Misc Info	**CW1MW39**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW39**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033818

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06879.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	5	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	5	JN
3.	unknown	30.18	24	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06880.D**	Sample Name	**2033819**
Operator	**BPatel**	Misc Info	**CW1MW40**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06880.D**	Sample Name	**2033819**
Operator	**BPatel**	Misc Info	**CW1MW40**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW40**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2033819

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06880.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: _____ decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	5	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	4	JN
3.	unknown	30.18	19	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06877.D**	Sample Name	**2033816**
Operator	**BPatel**	Misc Info	**CW1MW281**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06877.D**	Sample Name	**2033816**
Operator	**BPatel**	Misc Info	**CW1MW281**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW281**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033816

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06877.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.51	4	JN
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	5	JN
3.	unknown	30.17	16	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06875.D**	Sample Name	**2033814**
Operator	**BPatel**	Misc Info	**CW1MW282**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06875.D**	Sample Name	**2033814**
Operator	**BPatel**	Misc Info	**CW1MW282**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW282**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033814

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06875.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	6	J
2.	unknown	30.18	17	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BNA06876.D**	Sample Name	**2033815**
Operator	**BPatel**	Misc Info	**CW1MW291**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	0.61	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.64	ug/L	
62-53-3	Aniline			not detected	NLE	0.78	ug/L	
108-95-2	Phenol			not detected	4000	0.65	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.80	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.76	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.90	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.95	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	1.17	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.96	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	1.09	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.81	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	1.00	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.84	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.96	ug/L	
98-95-3	Nitrobenzene			not detected	10	1.27	ug/L	
78-59-1	Isophorone			not detected	100	0.88	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	1.16	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	1.00	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	1.04	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.05	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	1.11	ug/L	
91-20-3	Naphthalene			not detected	NLE	1.06	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	0.77	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	1.16	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.92	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	1.11	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	1.26	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.99	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	1.01	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	1.10	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.95	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.09	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.93	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.98	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	0.85	ug/L	
83-32-9	Acenaphthene			not detected	400	1.02	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	0.97	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	1.06	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	0.88	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BNA06876.D**	Sample Name	**2033815**
Operator	**BPatel**	Misc Info	**CW1MW291**
Date Acquired	**6-Jun-02**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.16	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.10	ug/L	
86-73-7	Fluorene			not detected	300	0.84	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.92	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	0.92	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	1.06	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.10	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.06	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	0.87	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.41	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.08	ug/L	
120-12-7	Anthracene			not detected	2000	0.93	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	1.23	ug/L	
206-44-0	Fluoranthene			not detected	300	0.90	ug/L	
92-87-5	Benzidine			not detected	50	1.81	ug/L	
129-00-0	Pyrene			not detected	200	1.01	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.13	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	1.00	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	0.87	ug/L	
218-01-9	Chrysene			not detected	20	1.05	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	0.99	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.20	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.07	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.24	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	1.04	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	1.32	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.12	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	1.00	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id: **CW1MW291**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 20338 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2033815

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA06876.D

Level: (low/med) LOW Date Received: 5/31/02

% Moisture: decanted: (Y/N) N Date Extracted: 6/5/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/6/02

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	7.46	6	J
2. 000111-82-0	Dodecanoic acid, methyl ester	18.30	5	JN
3.	unknown	30.18	18	J

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

Client :	U.S. Army	**Lab. ID # :**	MB 6/3
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	MB 6/6
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	6/6/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033802
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	FIELD BLANK
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033803
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	DUPE
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033804
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW26
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033805
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW27
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033806
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW30
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033807
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW31
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033808
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW32
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033809
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW33
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033810
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW34
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033811
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW35
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033812
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW36
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033813
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW37
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033817
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/6/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW38
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033818
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/6/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW39
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033819
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/6/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/13/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW40
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033816
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW281
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033814
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/3/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW282
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

Client :	U.S. Army	**Lab. ID # :**	2033815
	DPW, SELFM-PW-EV	**Date Rec'd:**	5/31/02
	Bldg. 173	**Extraction Date:**	6/6/02
	Ft. Monmouth, NJ 07703	**Analysis Date:**	6/12/02
Analysis:	EPA Method 608	**Location :**	CW1 WELLS
Matrix:	Aqueous		
Analyst:	P. Van Bergen	**Field ID:**	CW1 MW291
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	**ND**
beta-BHC	1		0.20	0.0050	**ND**
gamma-BHC	1		0.20	0.0013	**ND**
delta-BHC	1		NLE	0.0016	**ND**
Heptachlor	1		0.40	0.0035	**ND**
Aldrin	1		0.04	0.0026	**ND**
Heptachlor Epoxide	1		0.20	0.0020	**ND**
Endosulfan I	1		0.40	0.0016	**ND**
4,4'-DDE	1		0.10	0.0021	**ND**
Dieldrin	1		0.03	0.0020	**ND**
Endrin	1		2.00	0.0032	**ND**
Endrin Ketone	1		NLE	0.0026	**ND**
Endosulfan II	1		0.40	0.0022	**ND**
4,4'-DDD	1		0.10	0.0020	**ND**
4,4'-DDT	1		0.10	0.0052	**ND**
Endosulfan-Sulfate	1		0.40	0.0026	**ND**
Alpha-chlordane	1		0.50	0.0036	**ND**
Gamma-chlordane	1		0.50	0.0007	**ND**
Toxaphene	1		3.00	0.1517	**ND**
Arochlor 1016	1		0.50	0.0683	**ND**
Arochlor 1221	1		0.50	0.0666	**ND**
Arochlor 1232	1		0.50	0.0648	**ND**
Arochlor 1242	1		0.50	0.0485	**ND**
Arochlor 1248	1		0.50	0.0544	**ND**
Arochlor 1254	1		0.50	0.0608	**ND**
Arochlor 1260	1		0.50	0.0732	**ND**

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um
PQL = Practical Quantitation Limit

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

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

Lab ID #:
Sample Prepared: 06/04/02

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: Method Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	32.8	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	ND	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	110	NLE	20.0
Chromium	06/06/02	ND	100	0.5
Cobalt	06/06/02	ND	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	28.2	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	21.1	NLE	10.0
Manganese	06/06/02	1.31	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	2.30	100	1.0
Potassium	06/06/02	589	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	985	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	16.5	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground W

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

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

Lab ID #: 2033802
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: Field Blank

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	74.8	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	2.55	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	310	NLE	20.0
Chromium	06/06/02	0.806	100	0.5
Cobalt	06/06/02	ND	NLE	0.5
Copper	06/06/02	4.01	1000	2.0
Iron	06/06/02	28.6	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	32.4	NLE	10.0
Manganese	06/06/02	10.7	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	ND	100	1.0
Potassium	06/06/02	483	NLE	40.0
Selenium	06/06/02	3.60	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	470	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	23.5	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033803
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: Dupe

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	1400	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	139	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	23400	NLE	20.0
Chromium	06/06/02	7.43	100	0.5
Cobalt	06/06/02	2.52	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	1440	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	1470	NLE	10.0
Manganese	06/06/02	15.4	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	23.5	100	1.0
Potassium	06/06/02	15000	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	37900	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	4.66	NLE	0.5
Zinc	06/06/02	15.2	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033804
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW26

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	419	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	3.65	8	2.0
Barium	06/06/02	34.2	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	6370	NLE	20.0
Chromium	06/06/02	3.70	100	0.5
Cobalt	06/06/02	1.24	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	312	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	1640	NLE	10.0
Manganese	06/06/02	14.5	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	3.89	100	1.0
Potassium	06/06/02	3310	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	9300	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	1.34	NLE	0.5
Zinc	06/06/02	14.3	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033805
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW27

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	380	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	20.6	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	7470	NLE	20.0
Chromium	06/06/02	1.20	100	0.5
Cobalt	06/06/02	2.14	NLE	0.5
Copper	06/06/02	11.9	1000	2.0
Iron	06/06/02	250	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	2210	NLE	10.0
Manganese	06/06/02	102	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	3.26	100	1.0
Potassium	06/06/02	4970	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	18100	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	17.7	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033806
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW30

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	233	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	40.2	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	2920	NLE	20.0
Chromium	06/06/02	1.61	100	0.5
Cobalt	06/06/02	1.21	NLE	0.5
Copper	06/06/02	3.10	1000	2.0
Iron	06/06/02	300	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	1320	NLE	10.0
Manganese	06/06/02	16.0	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	3.23	100	1.0
Potassium	06/06/02	4360	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	10700	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	0.785	NLE	0.5
Zinc	06/06/02	14.6	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033807
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW31

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	1610	200	10.0
Antimony	06/06/02	2.99	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	118	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	20600	NLE	20.0
Chromium	06/06/02	8.83	100	0.5
Cobalt	06/06/02	2.46	NLE	0.5
Copper	06/06/02	2.35	1000	2.0
Iron	06/06/02	1620	300	10.0
Lead	06/06/02	1.19	10	1.0
Magnesium	06/06/02	1540	NLE	10.0
Manganese	06/06/02	15.1	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	6.72	100	1.0
Potassium	06/06/02	13300	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	34300	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	5.19	NLE	0.5
Zinc	06/06/02	13.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033808
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW32

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	443	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	48.3	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	19100	NLE	20.0
Chromium	06/06/02	3.27	100	0.5
Cobalt	06/06/02	1.58	NLE	0.5
Copper	06/06/02	6.35	1000	2.0
Iron	06/06/02	1040	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	3370	NLE	10.0
Manganese	06/06/02	25.3	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	3.94	100	1.0
Potassium	06/06/02	6590	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	24900	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	1.58	NLE	0.5
Zinc	06/06/02	26.1	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033809
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW33

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	1110	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	35.0	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	9640	NLE	20.0
Chromium	06/06/02	4.16	100	0.5
Cobalt	06/06/02	1.81	NLE	0.5
Copper	06/06/02	2.55	1000	2.0
Iron	06/06/02	496	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	2580	NLE	10.0
Manganese	06/06/02	11.6	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	2.97	100	1.0
Potassium	06/06/02	1790	NLE	40.0
Selenium	06/06/02	4.73	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	11700	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	1.44	NLE	0.5
Zinc	06/06/02	16.3	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033810
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW34

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	173	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	2.24	8	2.0
Barium	06/06/02	46.8	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	4920	NLE	20.0
Chromium	06/06/02	1.15	100	0.5
Cobalt	06/06/02	1.56	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	187	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	3980	NLE	10.0
Manganese	06/06/02	16.8	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	3.44	100	1.0
Potassium	06/06/02	3820	NLE	40.0
Selenium	06/06/02	4.08	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	15700	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	10.1	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033811
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW35

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	559	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	49.8	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	0.568	4	0.5
Calcium	06/06/02	5580	NLE	20.0
Chromium	06/06/02	2.72	100	0.5
Cobalt	06/06/02	3.11	NLE	0.5
Copper	06/06/02	2.26	1000	2.0
Iron	06/06/02	1110	300	10.0
Lead	06/06/02	1.44	10	1.0
Magnesium	06/06/02	4660	NLE	10.0
Manganese	06/06/02	23.7	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	5.47	100	1.0
Potassium	06/06/02	1520	NLE	40.0
Selenium	06/06/02	3.74	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	9240	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	1.68	NLE	0.5
Zinc	06/06/02	22.3	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033812
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW36

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	1690	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	4.27	8	2.0
Barium	06/06/02	61.3	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	15400	NLE	20.0
Chromium	06/06/02	13.3	100	0.5
Cobalt	06/06/02	0.964	NLE	0.5
Copper	06/06/02	2.67	1000	2.0
Iron	06/06/02	4050	300	10.0
Lead	06/06/02	1.15	10	1.0
Magnesium	06/06/02	3440	NLE	10.0
Manganese	06/06/02	37.3	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	5.10	100	1.0
Potassium	06/06/02	5810	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	23000	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	9.57	NLE	0.5
Zinc	06/06/02	18.9	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033813
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW37

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	2090	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	3.75	8	2.0
Barium	06/06/02	41.5	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	0.781	4	0.5
Calcium	06/06/02	30200	NLE	20.0
Chromium	06/06/02	17.2	100	0.5
Cobalt	06/06/02	5.28	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	5220	300	10.0
Lead	06/06/02	1.44	10	1.0
Magnesium	06/06/02	8670	NLE	10.0
Manganese	06/06/02	149	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	15.1	100	1.0
Potassium	06/06/02	3890	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	37600	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	10.6	NLE	0.5
Zinc	06/06/02	145	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033817
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW38

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	146	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	4.36	8	2.0
Barium	06/06/02	182	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	75400	NLE	20.0
Chromium	06/06/02	ND	100	0.5
Cobalt	06/06/02	0.747	NLE	0.5
Copper	06/06/02	12.5	1000	2.0
Iron	06/06/02	26800	300	10.0
Lead	06/06/02	1.14	10	1.0
Magnesium	06/06/02	12700	NLE	10.0
Manganese	06/06/02	354	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	9.98	100	1.0
Potassium	06/06/02	9650	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	24300	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	15.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033818
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW39

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	18.3	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	26.9	8	2.0
Barium	06/06/02	68.6	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	0.639	4	0.5
Calcium	06/06/02	78100	NLE	20.0
Chromium	06/06/02	ND	100	0.5
Cobalt	06/06/02	5.54	NLE	0.5
Copper	06/06/02	5.06	1000	2.0
Iron	06/06/02	52700	300	10.0
Lead	06/06/02	1.12	10	1.0
Magnesium	06/06/02	17500	NLE	10.0
Manganese	06/06/02	351	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	28.8	100	1.0
Potassium	06/06/02	9660	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	47600	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	21.7	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033819
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW40

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	12.5	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	11.4	8	2.0
Barium	06/06/02	61.1	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	0.615	4	0.5
Calcium	06/06/02	45200	NLE	20.0
Chromium	06/06/02	ND	100	0.5
Cobalt	06/06/02	2.82	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	38700	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	9730	NLE	10.0
Manganese	06/06/02	246	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	14.5	100	1.0
Potassium	06/06/02	8390	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	17800	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033816
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW281

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	34.1	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	5.05	8	2.0
Barium	06/06/02	55.1	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	48100	NLE	20.0
Chromium	06/06/02	ND	100	0.5
Cobalt	06/06/02	ND	NLE	0.5
Copper	06/06/02	ND	1000	2.0
Iron	06/06/02	19400	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	8240	NLE	10.0
Manganese	06/06/02	211	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	1.94	100	1.0
Potassium	06/06/02	7250	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	18400	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	ND	NLE	0.5
Zinc	06/06/02	18.1	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033814
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW282

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	256	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	2.65	8	2.0
Barium	06/06/02	21.3	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	3500	NLE	20.0
Chromium	06/06/02	1.63	100	0.5
Cobalt	06/06/02	ND	NLE	0.5
Copper	06/06/02	3.83	1000	2.0
Iron	06/06/02	349	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	830	NLE	10.0
Manganese	06/06/02	13.4	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	2.08	100	1.0
Potassium	06/06/02	1560	NLE	40.0
Selenium	06/06/02	4.40	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	8760	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	0.868	NLE	0.5
Zinc	06/06/02	49.7	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 2033815
Sample Received: 05/31/02
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW291

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	06/06/02	332	200	10.0
Antimony	06/06/02	ND	20	2.0
Arsenic	06/06/02	ND	8	2.0
Barium	06/06/02	47.9	2000	0.5
Beryllium	06/06/02	ND	20	0.5
Cadmium	06/06/02	ND	4	0.5
Calcium	06/06/02	5300	NLE	20.0
Chromium	06/06/02	1.37	100	0.5
Cobalt	06/06/02	1.83	NLE	0.5
Copper	06/06/02	3.96	1000	2.0
Iron	06/06/02	161	300	10.0
Lead	06/06/02	ND	10	1.0
Magnesium	06/06/02	1880	NLE	10.0
Manganese	06/06/02	12.7	50	0.5
Mercury	06/04/02	ND	2	0.1
Nickel	06/06/02	4.63	100	1.0
Potassium	06/06/02	11200	NLE	40.0
Selenium	06/06/02	ND	50	3.0
Silver	06/06/02	ND	20	1.0
Sodium	06/06/02	11900	50000	20.0
Thallium	06/06/02	ND	10	2.0
Vanadium	06/06/02	0.598	NLE	0.5
Zinc	06/06/02	12.6	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

	Lab	Aluminum	Manganese	Arsenic	Iron	1,1,1-Trichloroethane	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	50	8	300	30	-				-
04/23/1997	FMETL	ND	23	ND	50	ND	8.60				V,S,P,M
07/07/1997	FMETL	67	33	ND	10	ND	8.98				V,S,P,M
10/01/1997	FMETL	127	12	ND	153	ND	9.45				V,S,P,M
01/06/1998	FMETL	614	12	ND	159	ND	9.05				V,S,P,M
06/16/1998	FMETL	700	10.4	ND	1400	ND	8.61				V,S,P,M
08/13/1998	FMETL	1410	20.7	ND	2730	ND	9.16				V,S,P,M
12/15/1998	FMETL	158	8.11	ND	105	ND	10.18				V,S,P,M
03/23/1999	FMETL	198	8.53	ND	423	ND	9.07				V,S,P,M
05/27/1999	FMETL	576	7.67	ND	795	ND	9.42				V,S,P,M
08/11/1999	FMETL	239	8.92	ND	375	ND	9.89				V,S,P,M
11/10/1999	FMETL	163	9.54	ND	478	ND	9.70				V,S,P,M
02/16/2000	FMETL	ND	5.49	ND	48.7	ND	9.44				V,S,P,M
05/17/2000	FMETL	104	13.2	ND	845	ND	9.35				V,S,P,M
08/23/2000	FMETL	167	6.31	ND	70.9	ND	9.16				V,S,P,M
11/27/2000	FMETL	162	14.0	ND	150	ND	9.64				V,S,P,M
11/27/2000D	FMETL	112	12.9	ND	86.0	ND	9.64				V,S,P,M
02/15/2001	FMETL	89.5	7.03	ND	ND	ND	8.98				V,S,P,M
02/15/2001D	FMETL	191	7.45	ND	ND	ND	8.98				V,S,P,M
05/24/2001	FMETL	92.5	7.77	ND	128	ND	9.06				V,S,P,M
08/22/2001	FMETL	73.5	10.4	ND	137	ND	9.38				V,S,P,M
11/16/2001	FMETL	808	7.42	ND	1440	1.71	10.05				V,S,P,M
02/28/2002	FMETL	983	174	ND	1440	ND	10.33				V,S,P,M
05/31/2002	FMETL	419	14.5	3.65	312	ND	9.81				V,S,P,M

SOURCE: CW1MW026

Sampling Dates:
04/23/1997 - 05/31/2002

NOTES:

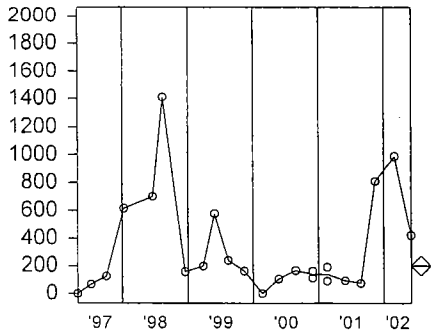
FORT MONMOUTH

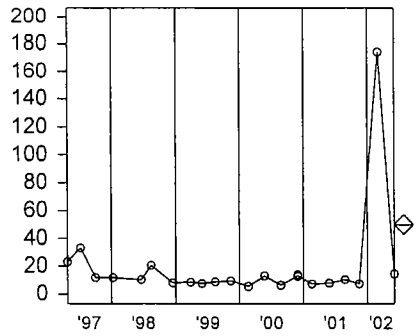
GW MONITORING
CW-1

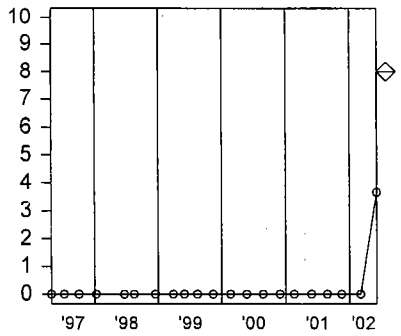
Source 1 of 18

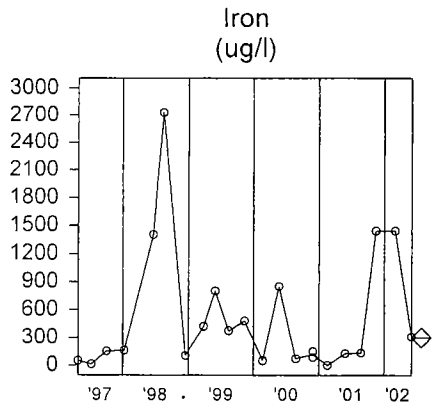
Ag > GW Criteria in blank for samples taken 7/97.

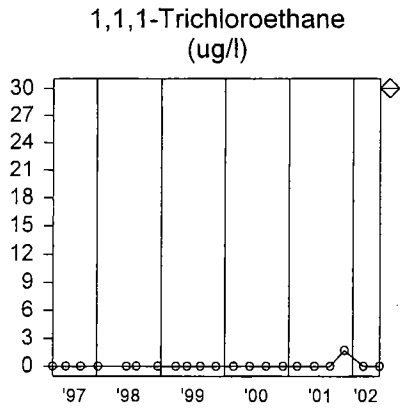
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

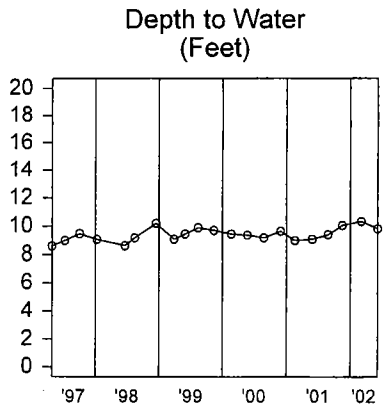












SOURCE: CW1MW026

Sampling Dates:
04/23/1997 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 1 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

	Lab	Trichloro ethene	Aluminum	Manganese	Iron	1,1,1-Tri chloro ethane	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	1	200	50	300	30	-				-
04/23/1997	FMETL	ND	ND	17	30	ND	8.60				V,S,P,M
07/07/1997	FMETL	ND	90	30	30	ND	9.00				V,S,P,M
10/01/1997	FMETL	ND	169	10	74	ND	9.50				V,S,P,M
01/06/1998	FMETL	ND	105	10.6	62	ND	8.95				V,S,P,M
06/16/1998	FMETL	ND	149	7.7	188	ND	8.38				V,S,P,M
08/13/1998	FMETL	ND	1540	19.2	2050	ND	8.98				V,S,P,M
12/15/1998	FMETL	ND	172	10.4	55.7	ND	10.13				V,S,P,M
03/23/1999	FMETL	ND	175	11.7	236	ND	8.93				V,S,P,M
05/27/1999	FMETL	ND	422	4.92	546	ND	9.30				V,S,P,M
08/11/1999	FMETL	ND	95.3	5.38	66.8	ND	9.84				V,S,P,M
11/10/1999	FMETL	ND	65.1	5.35	19.7	ND	9.66				V,S,P,M
02/16/2000	FMETL	ND	148	10.5	401	ND	9.37				V,S,P,M
05/17/2000	FMETL	ND	118	5.56	145	ND	9.24				V,S,P,M
08/23/2000	FMETL	1.46	166	5.44	46.0	ND	9.52				V,S,P,M
11/27/2000	FMETL	ND	112	15.8	67.9	ND	9.58				V,S,P,M
02/15/2001	FMETL	ND	92.8	8.00	506	ND	8.84				V,S,P,M
05/24/2001	FMETL	ND	245	6.84	434	ND	8.89				V,S,P,M
08/22/2001	FMETL	ND	270	7.80	511	ND	9.20				V,S,P,M
11/16/2001	FMETL	ND	ND	9.28	45.9	3.06	10.00				V,S,P,M
02/28/2002	FMETL	7.14	863	151	1390	4.48	10.25				V,S,P,M
05/31/2002	FMETL	ND	380	102	250	ND	9.70				V,S,P,M

SOURCE: CW1MW027

Sampling Dates:
04/23/1997 - 05/31/2002

NOTES:

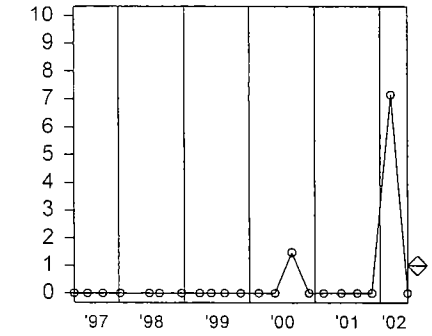
FORT MONMOUTH

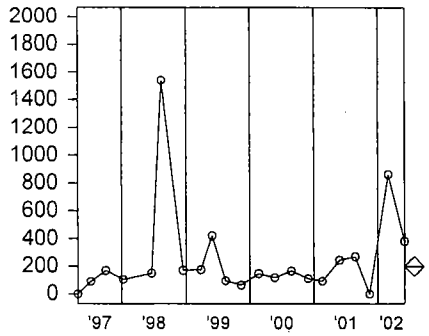
GW MONITORING
CW-1

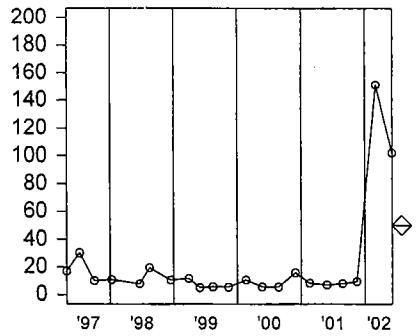
Source 2 of 18

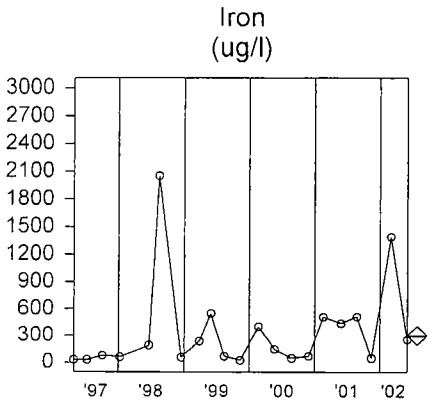
Ag > GW Criteria in blank for samples taken 7/97.

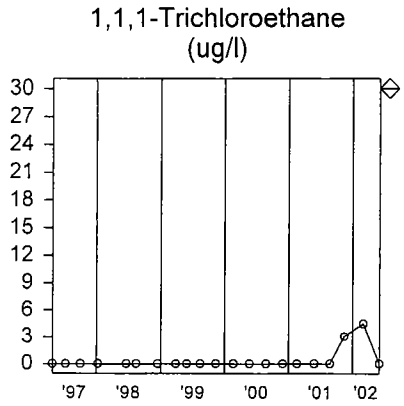
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

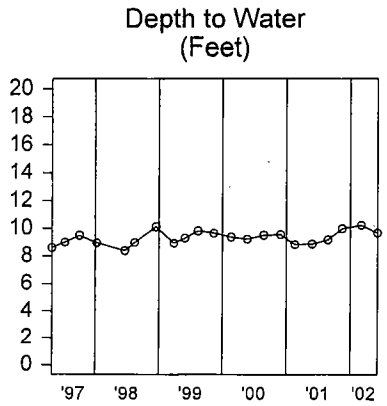












SOURCE: CW1MW027

Sampling Dates:
04/23/1997 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 2 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Trichloro ethene	cis-1,2-Di chloro ethene	Aluminum	Manganese	Iron	Silver	1,1,1-Tri chloro ethane	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	10	200	50	300	20	30	-		-
04/23/1997	FMETL	ND	ND	300	30	10	ND	ND	9.05		V,S,P,M
07/07/1997	FMETL	ND	ND	277	67	40	30	ND	9.20		V,S,P,M
10/01/1997	FMETL	59.4	ND	ND	ND	ND	ND	ND	9.70		V,S,P,M
01/06/1998	FMETL	27.7	ND	426	30.4	147	ND	ND	9.40		V,S,P,M
06/16/1998	FMETL	ND	ND	1327	14.8	1859	ND	ND	8.84		V,S,P,M
08/13/1998	FMETL	ND	ND	459	13.3	798	ND	ND	9.51		V,S,P,M
12/15/1998	FMETL	33.9	ND	641	18.9	518	ND	ND	10.63		V,S,P,M
03/23/1999	FMETL	7.15	ND	306	25.5	136	ND	ND	9.38		V,S,P,M
05/27/1999	FMETL	3.10	ND	760	20	767	ND	ND	9.79		V,S,P,M
08/11/1999	FMETL	297.82	1.59	503	24.5	428	ND	ND	10.32		V,S,P,M
11/10/1999	FMETL	174.48	25.4	448	21.9	544	6.03	ND	10.13		V,S,P,M
02/16/2000	FMETL	103.32	4.24	506	22.7	851	ND	ND	9.84		V,S,P,M
05/17/2000	FMETL	8.48	ND	227	12.4	139	ND	ND	9.75		V,S,P,M
08/23/2000	FMETL	43.36	ND	286	7.76	84.7	ND	ND	9.06		V,S,P,M
11/27/2000	FMETL	70.95	ND	236	20.7	305	ND	ND	10.02		V,S,P,M
02/15/2001	FMETL	9.23	ND	280	17.3	120	7.00	ND	9.31		V,S,P,M
05/24/2001	FMETL	ND	ND	462	12.1	550	ND	2.83	9.36		V,S,P,M
08/22/2001	FMETL	3.32	ND	301	18.8	323	ND	ND	9.77		V,S,P,M
11/16/2001	FMETL	26.20	ND	218	12.3	339	ND	ND	10.49		V,S,P,M

SOURCE: CW1MW028

Sampling Dates:
04/23/1997 - 11/16/2001

NOTES:

FORT MONMOUTH

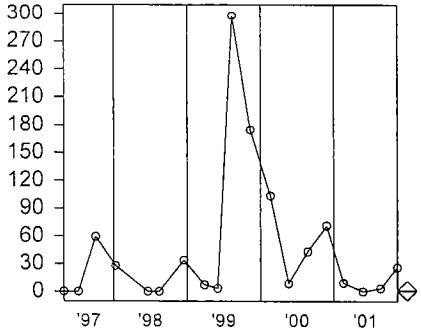
GW MONITORING
CW-1

Source 3 of 18

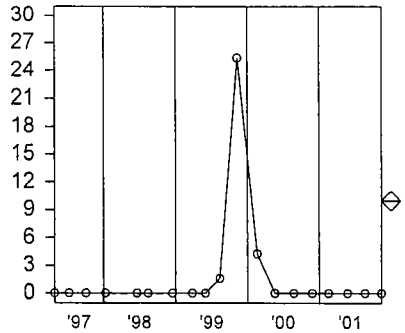
Ag > GW Criteria in blank for samples taken 7/97.

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

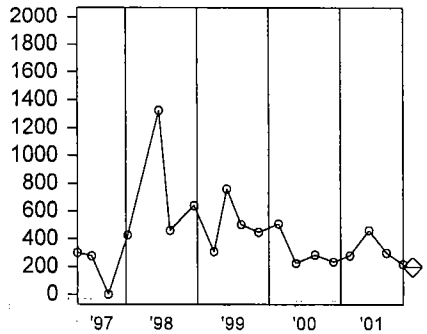
Trichloroethene
(ug/l)



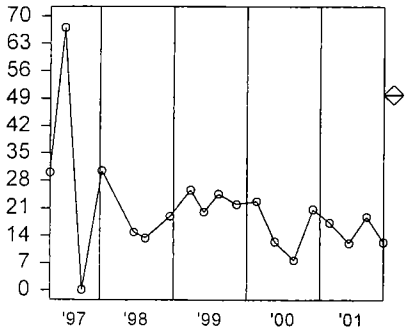
cis-1,2-Dichloroethene
(ug/l)



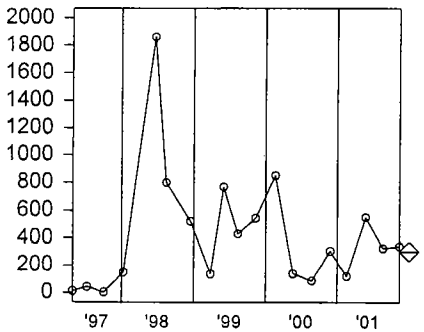
Aluminum
(ug/l)



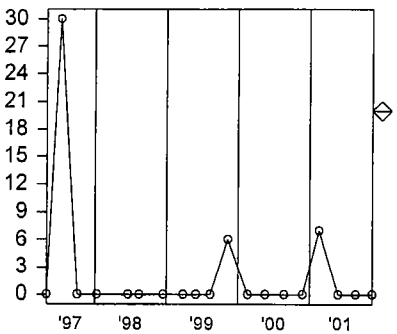
Manganese
(ug/l)



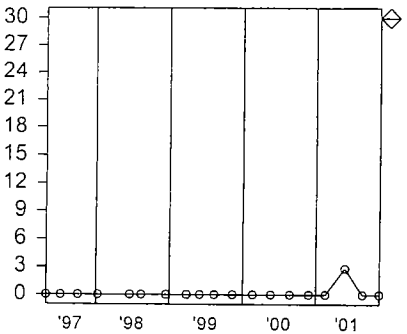
Iron
(ug/l)



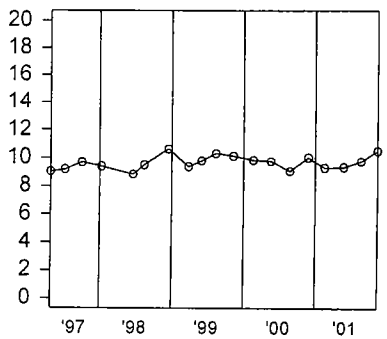
Silver
(ug/l)



1,1,1-Trichloroethane
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW028

Sampling Dates:
04/23/1997 - 11/16/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 3 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Trichloro ethene	1,2,4-Tri chloro benzene	cis-1,2-Di chloro ethene	Tetrachloro ethene	Aluminum	Manganese	Iron	1,1,1-Tri chloro ethane	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	1	9	10	1	200	50	300	30	-	-
04/23/1997	FMETL	3200	1.55	47	1.74	ND	11	10	ND	8.90	V,S,P,M
07/07/1997	FMETL	4900	ND	92	7.75	102	51	40	ND	9.30	V,S,P,M
10/01/1997	FMETL	7820	ND	290	5.75	213	16	182	ND	9.98	V,S,P,M
01/06/1998	FMETL	1705	ND	67	ND	232	15.5	168	ND	9.10	V,S,P,M
06/16/1998	FMETL	83.11	ND	11.97	ND	322	14.5	627	ND	8.67	V,S,P,M
08/13/1998	FMETL	498	3.98	88	ND	100	21.3	691	ND	9.26	V,S,P,M
12/12/1998	FMETL	374.58	ND	161.61	ND	195	23.9	296	ND	10.30	V,S,P,M
03/23/1999	FMETL	1342	4.27	126.68	ND	61.6	18.5	177	ND	9.90	V,S,P,M
05/27/1999	FMETL	950.05	5.08	75.55	ND	372	20.5	880	ND	9.59	V,S,P,M
08/11/1999	FMETL	288.11	ND	523.43	ND	83.0	22.1	438	ND	10.00	V,S,P,M
11/10/1999	FMETL	62.96	5.44	746.30	ND	52.6	19.6	280	ND	9.81	V,S,P,M
02/16/2000	FMETL	41.51	1.67	175.38	ND	304	18.5	1460	ND	9.54	V,S,P,M
05/17/2000	FMETL	357.72	2.10	186.08	ND	169	17.0	685	ND	9.47	V,S,P,M
08/23/2000	FMETL	263.49	2.21	352.10	ND	145	10.4	315	ND	9.24	V,S,P,M
11/27/2000	FMETL	54.06	ND	96.55	ND	71.02	14.2	148	ND	9.71	V,S,P,M
02/15/2001	FMETL	1951.41	ND	250.62	ND	89.6	15.5	250	ND	9.09	V,S,P,M
05/24/2001	FMETL	470.48	1.50	66.54	ND	517	22.2	1120	ND	9.14	V,S,P,M
08/22/2001	FMETL	2040.65	1.77	340.29	ND	64.7	15.0	436	ND	9.44	V,S,P,M
11/16/2001	FMETL	67.36	ND	118.26	ND	ND	47.4	147	3.02	10.08	V,S,P,M

SOURCE: CW1MW029

Sampling Dates:
04/23/1997 - 11/16/2001

NOTES:

FORT MONMOUTH

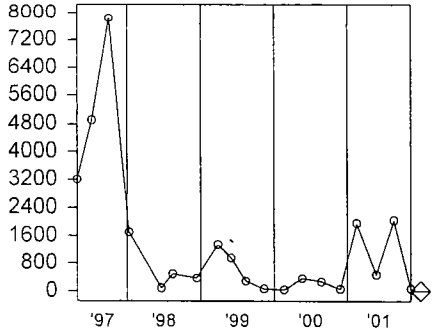
GW MONITORING
CW-1

Source 4 of 18

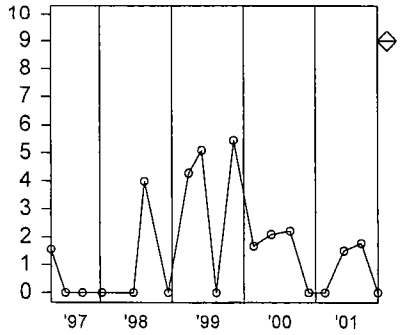
Ag > GW Criteria in blank for samples taken 7/97.

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

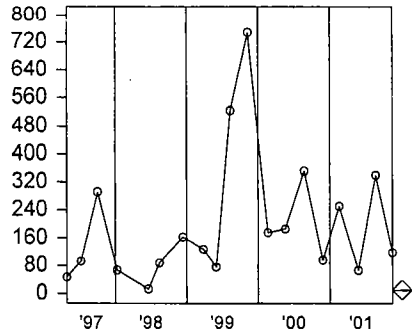
Trichloroethene
(ug/l)



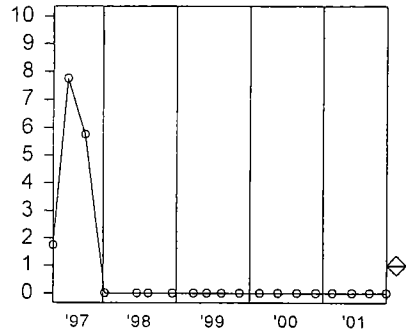
1,2,4-Trichlorobenzene
(ug/l)



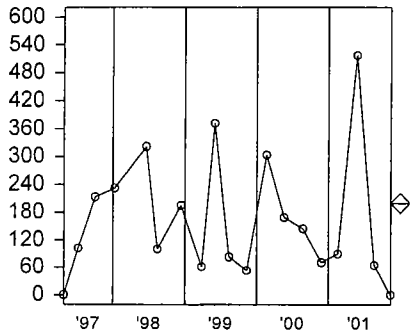
cis-1,2-Dichloroethene
(ug/l)



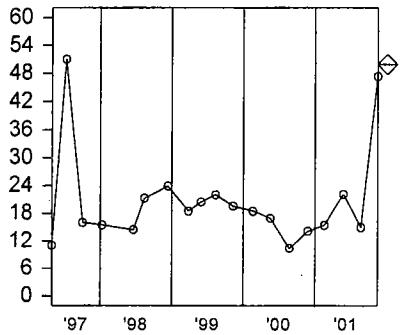
Tetrachloroethene
(ug/l)



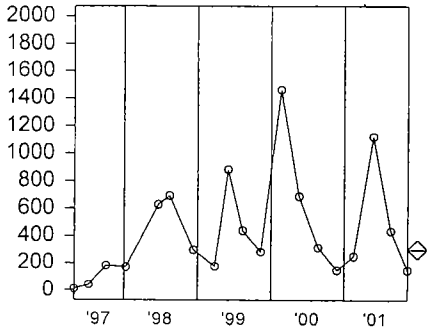
Aluminum
(ug/l)



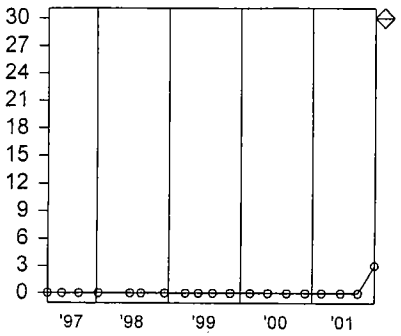
Manganese
(ug/l)



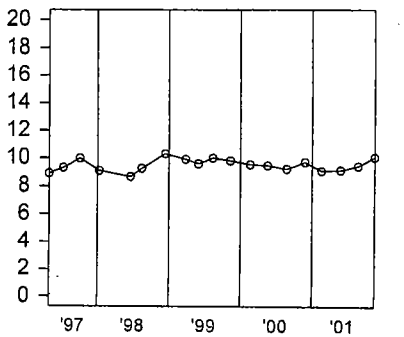
Iron
(ug/l)



1,1,1-Trichloroethane
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW029

Sampling Dates:
04/23/1997 - 11/16/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 4 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Trichloro ethene	Aluminum	Manganese	Arsenic	Iron	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	1	200	50	8	300	-				-
04/22/1997	FMETL	ND	ND	458	3.0	29600	11.10				V,S,P,M
07/09/1997	FMETL	190	51	231	2.0	36000	12.30				V,S,P,M
10/02/1997	FMETL	42	137	150	ND	26700	12.80				V,S,P,M
01/07/1998	FMETL	10.6	28	131	ND	24990	10.80				V,S,P,M
06/18/1998	FMETL	27.96	ND	162	ND	28550	10.98				V,S,P,M
08/13/1998	FMETL	45	22.8	177	ND	27600	12.57				V,S,P,M
12/15/1998	FMETL	6.1	ND	166	ND	1600	13.87				V,S,P,M
03/23/1999	FMETL	14.87	ND	188	ND	17700	11.25				V,S,P,M
05/27/1999	FMETL	12.08	ND	194	ND	44000	12.07				V,S,P,M
08/11/1999	FMETL	3.29	ND	166	ND	26300	13.75				V,S,P,M
11/10/1999	FMETL	6.19	ND	146	ND	4100	12.75				V,S,P,M
02/16/2000	FMETL	4.67	ND	163	ND	414	11.96				V,S,P,M
02/16/2000D	FMETL	4.83	ND	163	ND	639	11.96				V,S,P,M
05/17/2000	FMETL	5.51	106	199	ND	37400	12.14				V,S,P,M
05/17/2000D	FMETL	5.18	16.8	197	ND	38100	12.14				V,S,P,M
08/23/2000	FMETL	4.06	76.4	187	ND	34000	12.05				V,S,P,M
11/28/2000	FMETL	ND	ND	171	ND	36700	12.32				V,S,P,M
02/20/2001	FMETL	ND	ND	159	ND	30300	11.79				V,S,P,M
02/20/2001	FMETL	ND	ND	159	ND	30300	11.79				V,S,P,M
05/31/2001	FMETL	ND	ND	176	2.9	31300	12.55				V,S,P,M
08/24/2001	FMETL	1.19	ND	163	ND	29400	12.93				V,S,P,M
11/27/2001	FMETL	4.74	ND	187	ND	9700	13.87				V,S,P,M
11/27/2001D	FMETL	5.08	ND	186	ND	8590	13.87				V,S,P,M
02/28/2002	FMETL	13.80	ND	350	4.93	21300	13.51				V,S,P,M
05/31/2002	FMETL	25.32	34.1	211	5.05	19400	12.70				V,S,P,M

SOURCE: CW1MW281

Sampling Dates:
04/22/1997 - 05/31/2002

NOTES:

FORT MONMOUTH

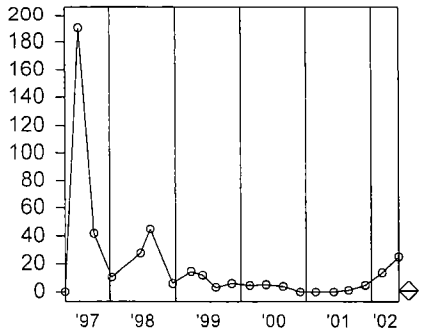
GW MONITORING
CW-1

Source 5 of 18

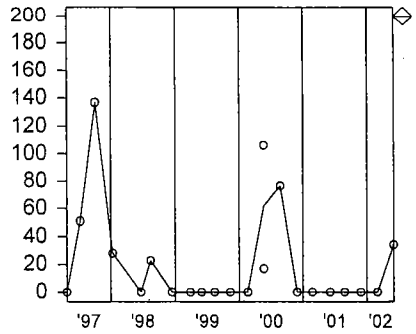
Ag > GW Criteria in blank for samples taken 7/97.

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

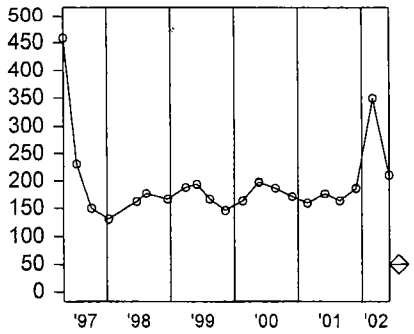
Trichloroethene
(ug/l)



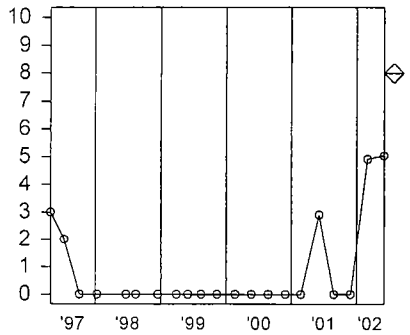
Aluminum
(ug/l)



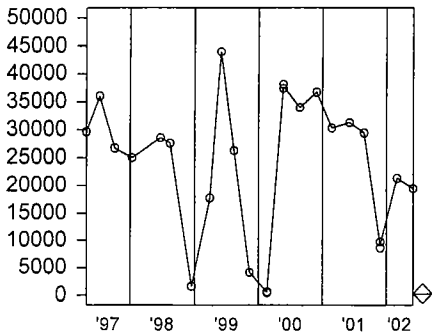
Manganese
(ug/l)



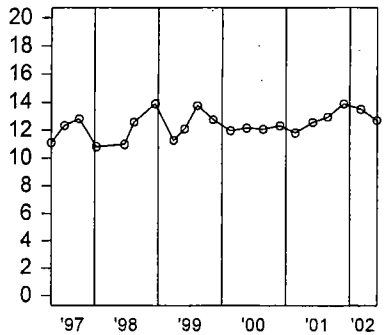
Arsenic
(ug/l)



Iron
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW281

Sampling Dates:
04/22/1997 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 5 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
04/22/1997	FMETL	ND	6.0	1.0	ND	8.30					V,S,P,M
07/09/1997	FMETL	50	29	ND	20	8.85					V,S,P,M
10/02/1997	FMETL	153	19	ND	665	9.40					V,S,P,M
01/07/1998	FMETL	265	8.1	ND	246	8.85					V,S,P,M
06/18/1998	FMETL	3291	10.1	ND	1513	7.97					V,S,P,M
08/13/1998	FMETL	2250	8.49	ND	1110	8.79					V,S,P,M
12/15/1998	FMETL	61.4	28.4	ND	43.8	10.04					V,S,P,M
03/23/1999	FMETL	247	20.9	ND	495	8.59					V,S,P,M
05/27/1999	FMETL	526	5.44	ND	640	9.10					V,S,P,M
08/11/1999	FMETL	539	34.5	ND	447	9.79					V,S,P,M
11/10/1999	FMETL	137	23.7	ND	210	9.58					V,S,P,M
02/16/2000	FMETL	297	16.1	ND	443	9.19					V,S,P,M
05/17/2000	FMETL	206	7.61	ND	911	5.51					V,S,P,M
08/23/2000	FMETL	363	3.22	ND	524	8.89					V,S,P,M
08/23/2000D	FMETL	341	2.88	ND	186	8.89					V,S,P,M
11/27/2000	FMETL	144	16.5	ND	124	9.34					V,S,P,M
02/20/2001	FMETL	ND	4.99	3.11	108	8.79					V,S,P,M
05/24/2001	FMETL	106	2.61	ND	51.5	8.66					V,S,P,M
08/22/2001	FMETL	95.8	4.45	ND	97.4	9.15					V,S,P,M
08/22/2001D	FMETL	35.6	3.83	ND	109	9.15					V,S,P,M
11/16/2001	FMETL	113	16.2	ND	367	9.94					V,S,P,M
02/28/2002	FMETL	176	160	3.45	241	10.17					V,S,P,M
05/31/2002	FMETL	256	13.4	2.65	349	9.65					V,S,P,M

SOURCE: CW1MW282

Sampling Dates:
04/22/1997 - 05/31/2002

NOTES:

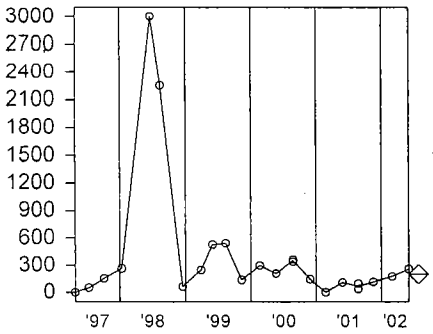
FORT MONMOUTH

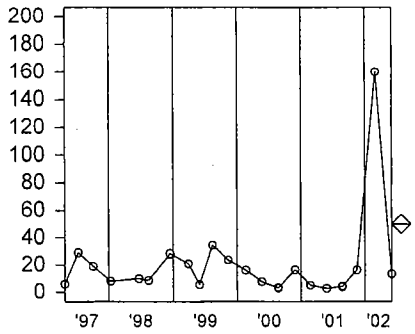
GW MONITORING
CW-1

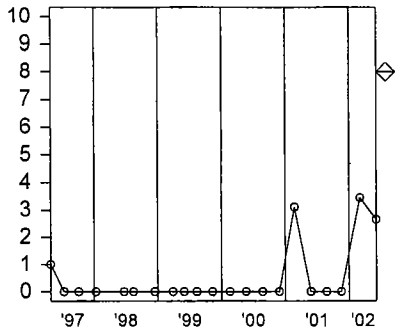
Source 6 of 18

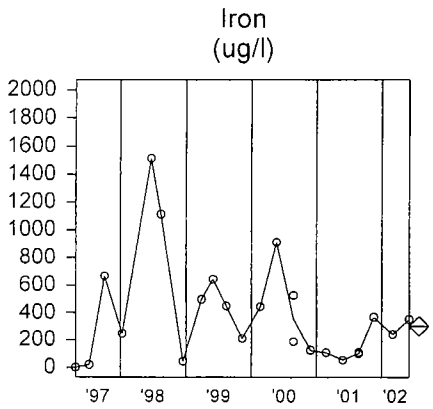
Ag > GW Criteria in blank for samples taken 7/97.

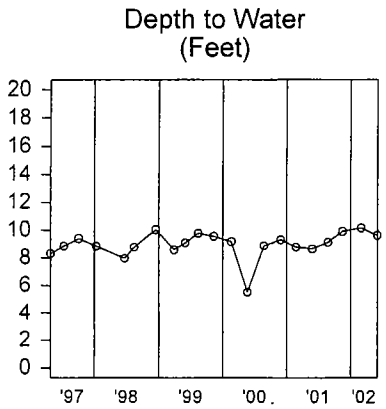
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: CW1MW282

Sampling Dates:
04/22/1997 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 6 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
04/22/1997	FMETL	ND	5.0	1.0	20	11.15					V,S,P,M
07/09/1997	FMETL	69	34	ND	50	11.40					V,S,P,M
10/02/1997	FMETL	164	20	ND	478	11.70					V,S,P,M
01/07/1998	FMETL	155	13.7	ND	144	11.40					V,S,P,M
06/18/1998	FMETL	1538	28.5	ND	1876	10.89					V,S,P,M
08/13/1998	FMETL	986	19.8	ND	1280	11.39					V,S,P,M
12/15/1998	FMETL	375	14.3	ND	176	12.21					V,S,P,M
03/23/1999	FMETL	52.7	13.8	ND	43.7	11.28					V,S,P,M
05/27/1999	FMETL	752	8.00	ND	907	11.54					V,S,P,M
08/11/1999	FMETL	405	16.6	ND	132	11.97					V,S,P,M
11/10/1999	FMETL	260	11.7	ND	135	11.79					V,S,P,M
02/16/2000	FMETL	100	8.2	ND	52.1	11.61					V,S,P,M
05/17/2000	FMETL	146	9.81	ND	194	11.59					V,S,P,M
08/23/2000	FMETL	721	7.59	ND	56.7	11.33					V,S,P,M
11/27/2000	FMETL	483	10.2	ND	516	11.69					V,S,P,M
02/20/2001	FMETL	ND	8.56	2.59	254	11.40					V,S,P,M
05/24/2001	FMETL	190	11.1	3.23	100	11.38					V,S,P,M
08/22/2001	FMETL	110	10.5	ND	197	11.59					V,S,P,M
11/16/2001	FMETL	48.6	80.3	ND	145	12.11					V,S,P,M
02/28/2002	FMETL	126	172	ND	216	12.32					V,S,P,M
05/31/2002	FMETL	332	12.7	ND	161	11.87					V,S,P,M

SOURCE: CW1MW291

Sampling Dates:
04/22/1997 - 05/31/2002

NOTES:

FORT MONMOUTH

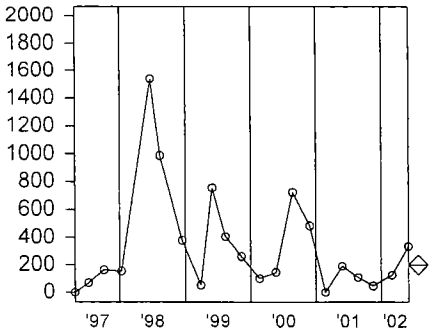
GW MONITORING
CW-1

Source 7 of 18

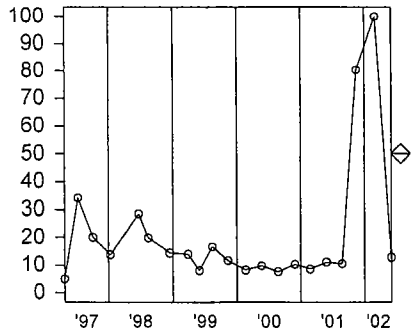
Ag > GW Criteria in blank for samples taken 7/97.

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

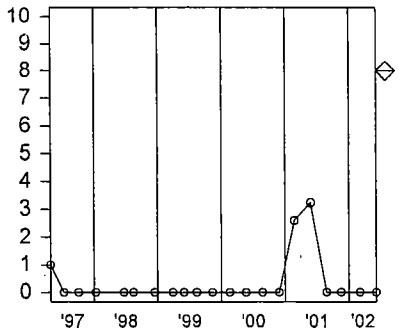
Aluminum
(ug/l)



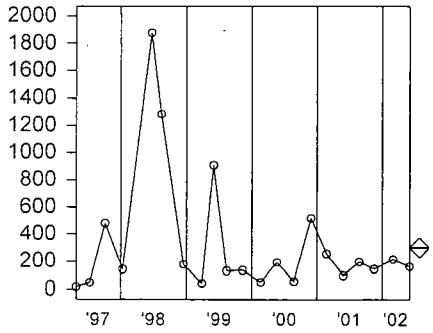
Manganese
(ug/l)



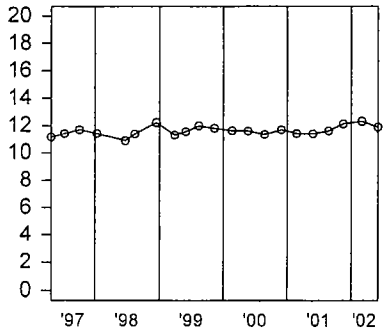
Arsenic
(ug/l)



Iron
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW291

Sampling Dates:
04/22/1997 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 7 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

	Lab	Trichloro ethene	Aluminum	Manganese	Arsenic	Iron	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	1	200	50	8	300	-				-
11/27/2000	FMETL	ND	529	23.1	ND	913	10.73				V,S,P,M
02/15/2001	FMETL	ND	139	10.6	3.34	63.0	9.91				V,S,P,M
05/24/2001	FMETL	ND	125	7.86	ND	211	9.89				V,S,P,M
08/22/2001	FMETL	1.36	1990	10.4	3.30	2590	10.41				V,S,P,M
11/16/2001	FMETL	ND	52.4	9.67	ND	234	11.26				V,S,P,M
02/28/2002	FMETL	ND	1080	169	ND	1580	11.59				V,S,P,M
05/31/2002	FMETL	ND	233	16.0	ND	300	10.96				V,S,P,M

SOURCE: CW1MW030

Sampling Dates:
11/27/2000 - 05/31/2002

NOTES:

FORT MONMOUTH

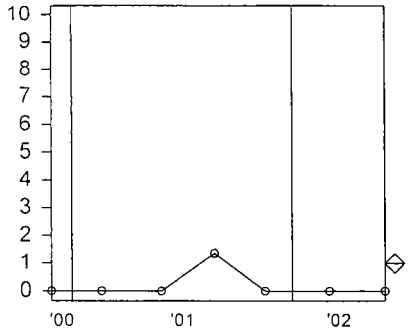
GW MONITORING
CW-1

Source 8 of 18

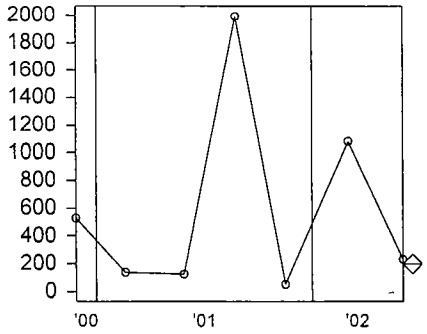
Ag > GW Criteria in blank for samples taken 7/97.

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

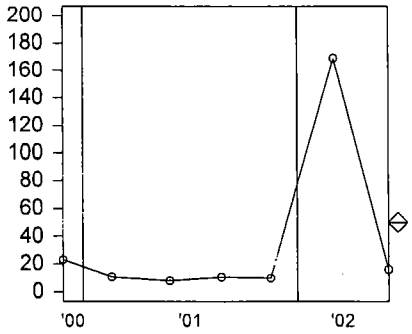
Trichloroethene
(ug/l)



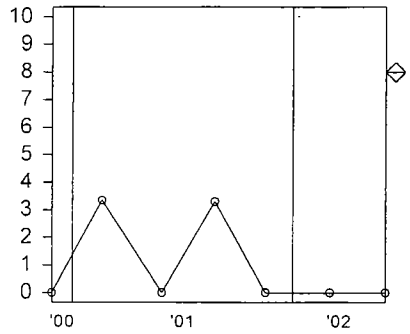
Aluminum
(ug/l)



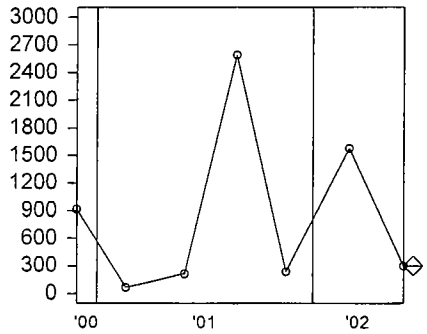
Manganese
(ug/l)



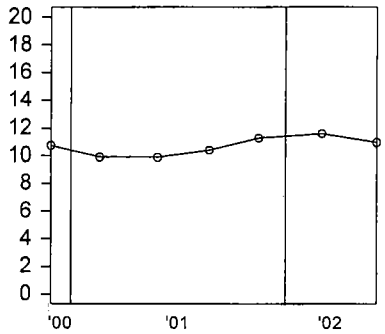
Arsenic
(ug/l)



Iron
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW030

Sampling Dates:
11/27/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 8 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1 wsf

	Lab	Trichloro ethene	cis-1,2-Di chloro ethene	Aluminum	Manganese	Arsenic	Iron	1,1,1-Tri chloro ethane	Depth to Water		Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet		-
NJDEP Criteria:	-	1	10	200	50	8	300	30	-		-
11/27/2000	FMETL	139.49	1.20	1570	20.0	ND	3260	ND	10.46		V,S,P,M
02/15/2001	FMETL	29.68	ND	1150	13.1	ND	1580	ND	9.96		V,S,P,M
05/24/2001	FMETL	ND	ND	2690	13.5	3.84	4250	ND	10.10		V,S,P,M
05/24/2001D	FMETL	ND	ND	2240	12.7	3.54	3540	ND	10.10		V,S,P,M
08/22/2001	FMETL	ND	ND	1090	7.42	3.89	1350	1.86	10.31		V,S,P,M
11/16/2001	FMETL	358.39	128.72	1700	20.8	ND	2720	2.81	10.90		V,S,P,M
11/16/2001D	FMETL	472.71	175.13	1920	16.3	ND	2870	2.08	10.90		V,S,P,M
02/28/2002	FMETL	ND	ND	1150	148	ND	1630	2.25	11.09		V,S,P,M
05/31/2002	FMETL	ND	ND	1610	15.1	ND	1620	4.57	10.61		V,S,P,M

SOURCE: CW1MW031

Sampling Dates:
11/27/2000 - 05/31/2002

NOTES:

FORT MONMOUTH

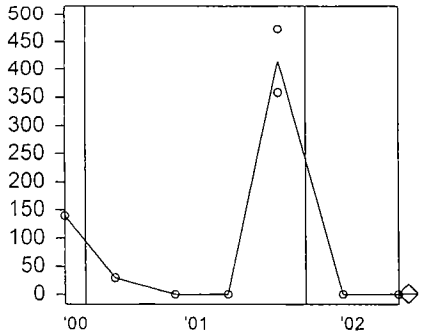
GW MONITORING
CW-1

Source 9 of 18

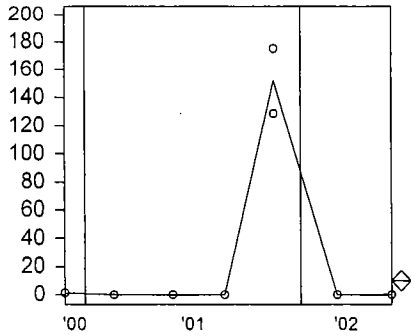
Ag > GW Criteria in blank for samples taken 7/97.

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

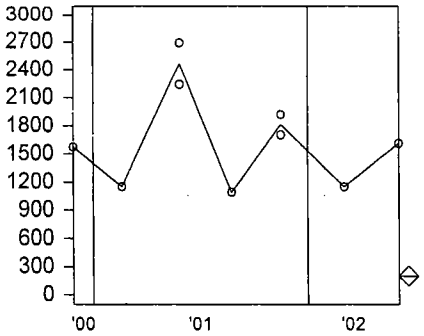
Trichloroethene
(ug/l)



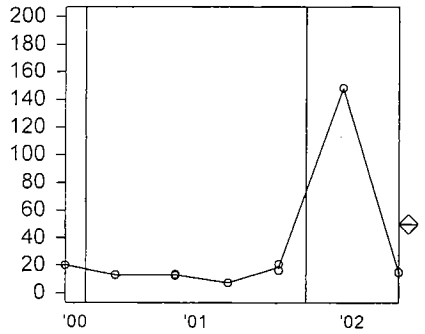
cis-1,2-Dichloroethene
(ug/l)



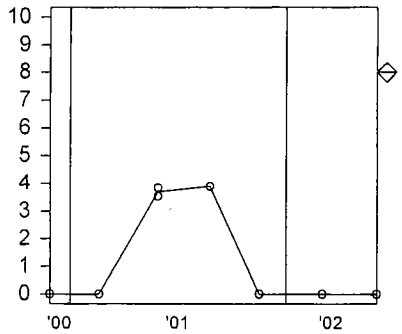
Aluminum
(ug/l)



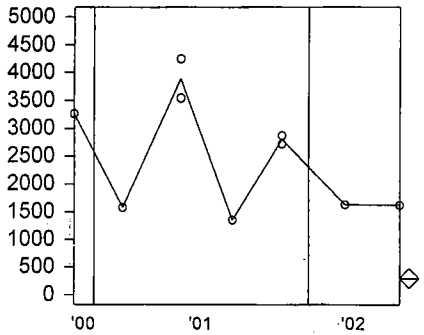
Manganese
(ug/l)



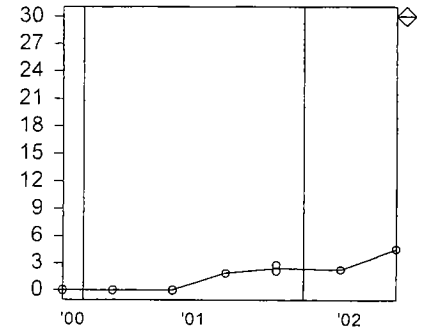
Arsenic
(ug/l)



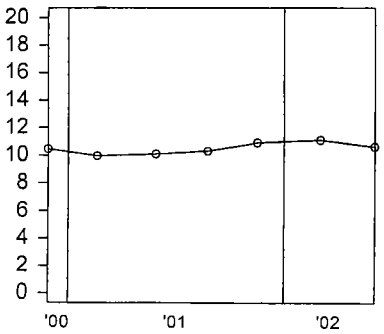
Iron
(ug/l)



1,1,1-Trichloroethane
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW031

Sampling Dates:
11/27/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 9 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Trichloro ethene	Aluminum	Manganese	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	1	200	50	300	-					-
11/27/2000	FMETL	51.33	252	9.22	451	11.65					V,S,P,M
02/15/2001	FMETL	ND	380	4.69	629	11.3					V,S,P,M
05/24/2001	FMETL	10.77	252	5.56	384	11.43					V,S,P,M
08/22/2001	FMETL	16.24	215	3.50	341	11.57					V,S,P,M
11/16/2001	FMETL	4.91	256	13.6	499	12.04					V,S,P,M
02/28/2002	FMETL	6.38	312	167	582	12.23					V,S,P,M
05/31/2002	FMETL	ND	443	25.3	1040	11.78					V,S,P,M

SOURCE: CW1MW032

Sampling Dates:
11/27/2000 - 05/31/2002

NOTES:

FORT MONMOUTH

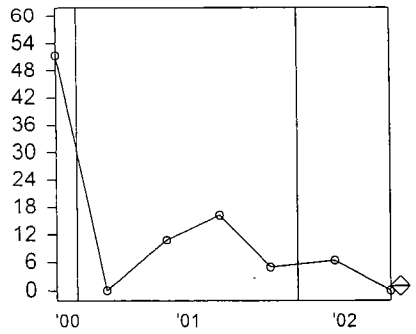
GW MONITORING
CW-1

Source 10 of 18

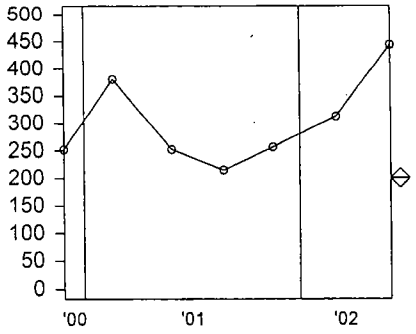
Ag > GW Criteria in blank for samples taken 7/97.

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

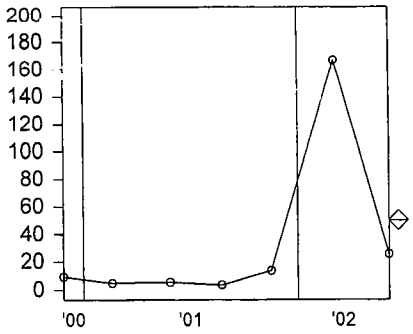
Trichloroethene
(ug/l)



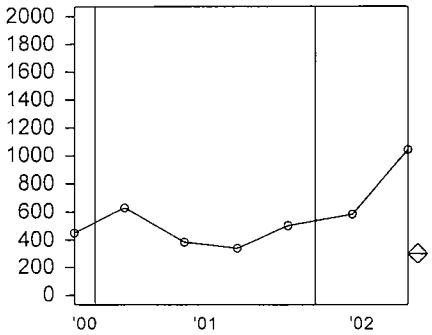
Aluminum
(ug/l)



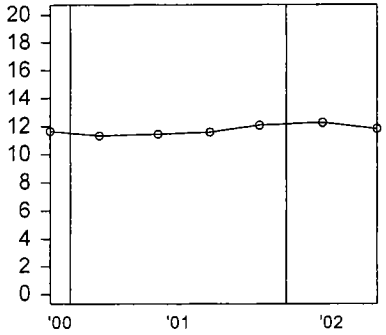
Manganese
(ug/l)



Iron
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW032

Sampling Dates:
11/27/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 10 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/27/2000	FMETL	2500	17.8	2.96	5210	11.52					V,S,P,M
02/15/2001	FMETL	2380	15.2	ND	4780	10.97					V,S,P,M
05/24/2001	FMETL	1320	10.7	ND	2170	11.26					V,S,P,M
08/22/2001	FMETL	1120	9.17	3.94	854	11.46					V,S,P,M
11/16/2001	FMETL	1320	14.4	2.57	1180	12.00					V,S,P,M
02/28/2002	FMETL	1440	157	ND	717	12.13					V,S,P,M
05/31/2002	FMETL	1110	11.6	ND	496	11.66					V,S,P,M

SOURCE: CW1MW033

Sampling Dates:
11/27/2000 - 05/31/2002

NOTES:

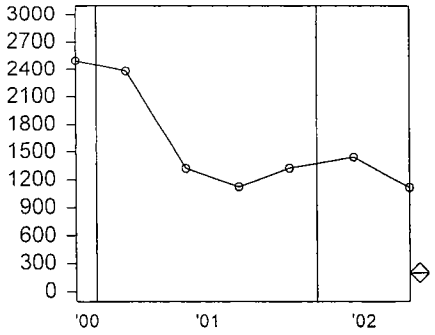
FORT MONMOUTH

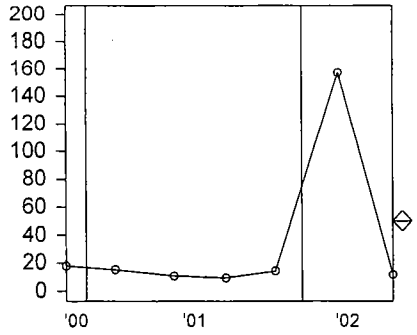
GW MONITORING
CW-1

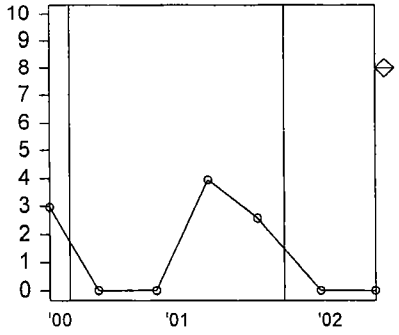
Source 11 of 18

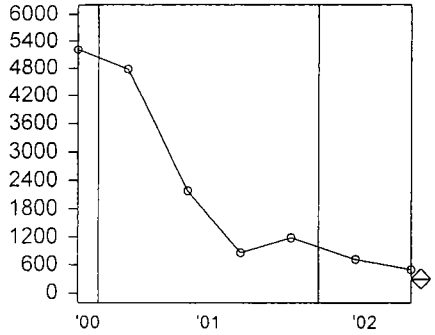
Ag > GW Criteria in blank for samples taken 7/97.

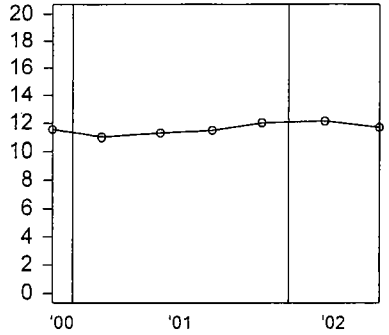
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: CW1MW033

Sampling Dates:
11/27/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 11 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/27/2000	FMETL	265	21.1	ND	320	8.01					V,S,P,M
02/15/2001	FMETL	529	33.9	2.73	249	8.55					V,S,P,M
05/31/2001	FMETL	276	39.0	ND	3730	8.72					V,S,P,M
08/24/2001	FMETL	334	21.6	ND	414	8.83					V,S,P,M
11/16/2001	FMETL	152	23.6	ND	413	9.20					V,S,P,M
02/28/2002	FMETL	106	164	ND	141	9.34					V,S,P,M
05/31/2002	FMETL	173	16.8	2.24	187	9.03					V,S,P,M

SOURCE: CW1MW034

Sampling Dates:
11/27/2000 - 05/31/2002

NOTES:

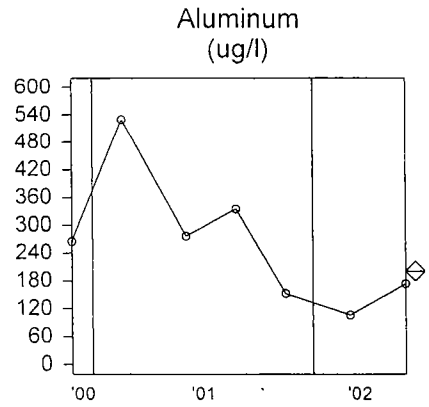
FORT MONMOUTH

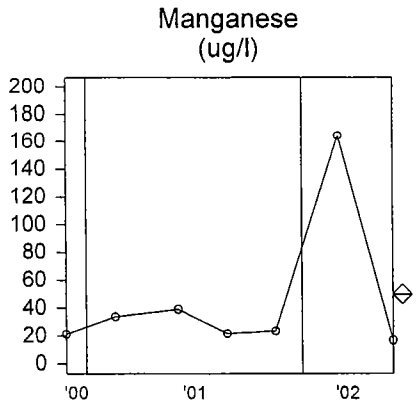
GW MONITORING
CW-1

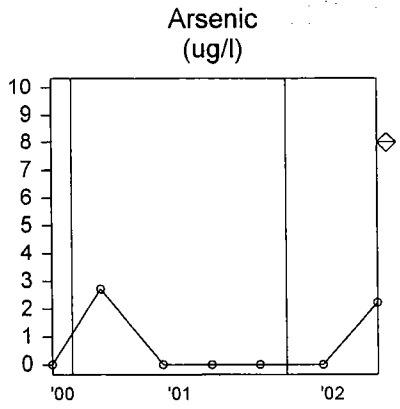
Source 12 of 18

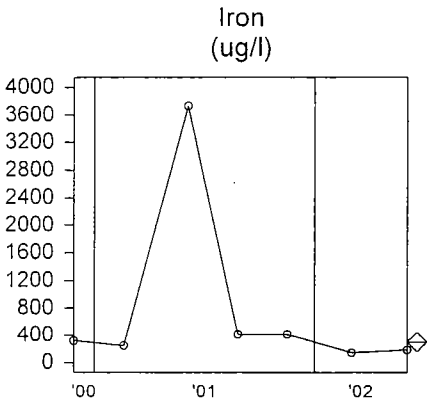
Ag > GW Criteria in blank for samples taken 7/97.

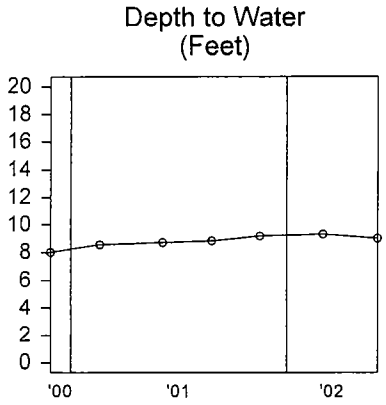
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: CW1MW034

Sampling Dates:
11/27/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 12 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/28/2000	FMETL	372	18.1	ND	729	8.55					V,S,P,M
02/15/2001	FMETL	342	17.0	ND	196	8.41					V,S,P,M
05/31/2001	FMETL	472	18.1	ND	549	8.45					V,S,P,M
08/24/2001	FMETL	2740	24.1	ND	4620	8.45					V,S,P,M
11/27/2001	FMETL	281	20.2	ND	962	8.80					V,S,P,M
02/28/2002	FMETL	732	176	3.81	1360	8.88					V,S,P,M
05/31/2002	FMETL	559	23.7	ND	1110	8.61					V,S,P,M

SOURCE: CW1MW035

Sampling Dates:
11/28/2000 - 05/31/2002

NOTES:

FORT MONMOUTH

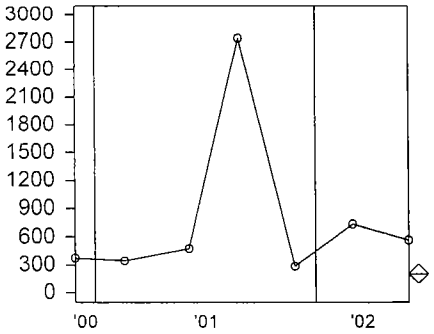
GW MONITORING
CW-1

Source 13 of 18

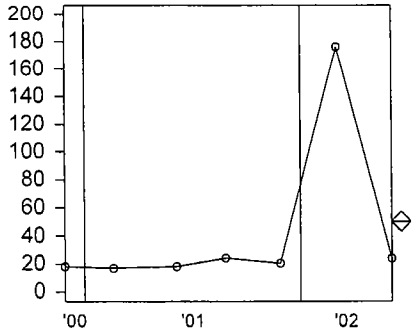
Ag > GW Criteria in blank for samples taken 7/97.

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

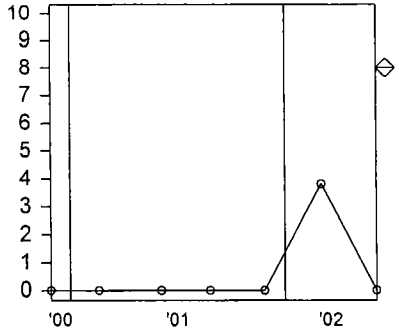
Aluminum
(ug/l)



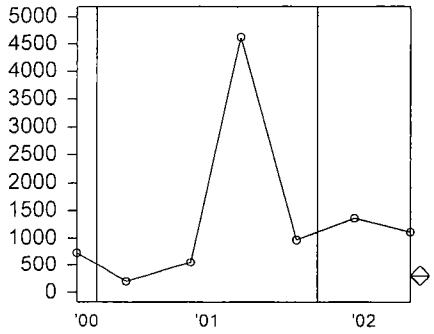
Manganese
(ug/l)



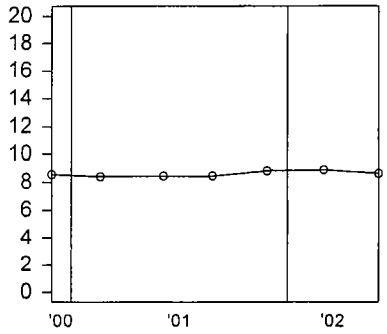
Arsenic
(ug/l)



Iron
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW035

Sampling Dates:
11/28/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 13 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/27/2000	FMETL	152	35.9	ND	533	9.42					V,S,P,M
02/15/2001	FMETL	705	26.4	5.45	1650	9.08					V,S,P,M
05/31/2001	FMETL	192	35.5	ND	295	9.20					V,S,P,M
08/24/2001	FMETL	83.4	35.6	ND	262	9.29					V,S,P,M
11/16/2001	FMETL	ND	80.9	ND	155	9.66					V,S,P,M
02/28/2002	FMETL	185	194	ND	330	9.80					V,S,P,M
05/31/2002	FMETL	1690	37.3	4.27	4050	9.49					V,S,P,M

SOURCE: CW1MW036

Sampling Dates:
11/27/2000 - 05/31/2002

NOTES:

FORT MONMOUTH

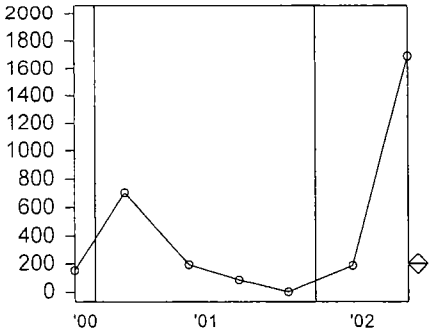
GW MONITORING
CW-1

Source 14 of 18

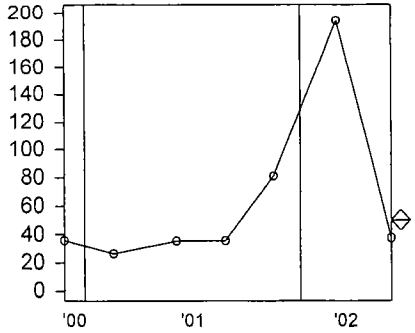
Ag > GW Criteria in blank for samples taken 7/97.

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

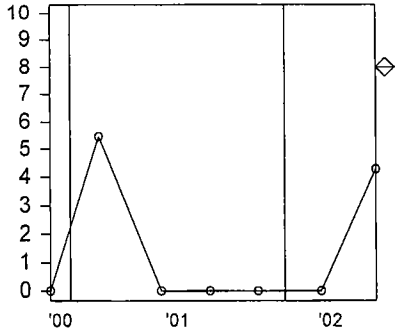
Aluminum
(ug/l)



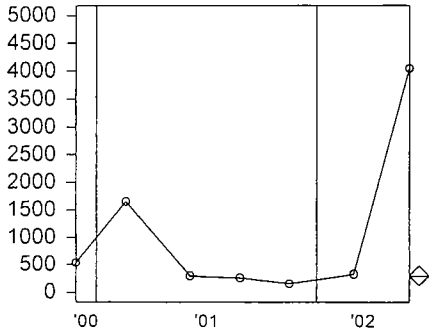
Manganese
(ug/l)



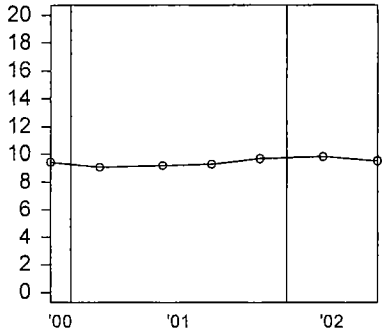
Arsenic
(ug/l)



Iron
(ug/l)



Depth to Water
(Feet)



SOURCE: CW1MW036

Sampling Dates:
11/27/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 14 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/28/2000	FMETL	2450	291	7.29	7450	9.32					V,S,P,M
02/20/2001	FMETL	1080	297	7.67	6890	8.87					V,S,P,M
05/31/2001	FMETL	610	231	4.38	5880	9.00					V,S,P,M
08/24/2001	FMETL	1770	179	4.07	5530	9.10					V,S,P,M
11/27/2001	FMETL	3240	179	6.99	14500	9.64					V,S,P,M
02/28/2002	FMETL	4300	279	10.7	10800	9.67					V,S,P,M
05/31/2002	FMETL	2090	149	3.75	5220	9.05					V,S,P,M

SOURCE: CW1MW037

Sampling Dates:
11/28/2000 - 05/31/2002

NOTES:

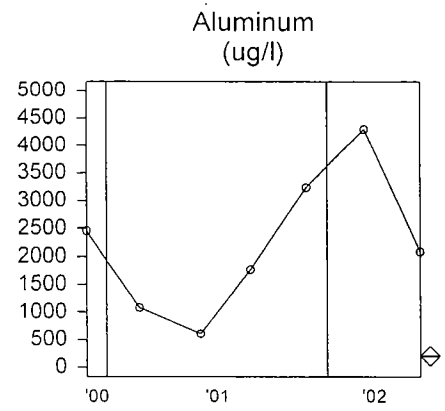
FORT MONMOUTH

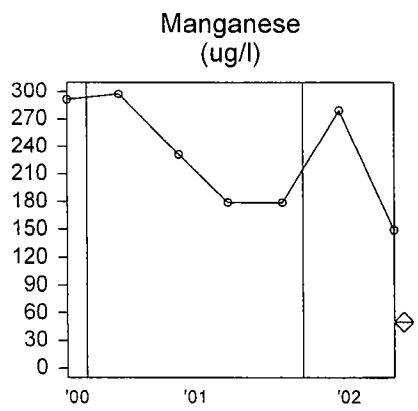
GW MONITORING
CW-1

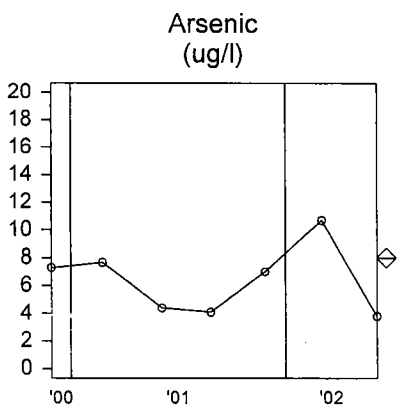
Source 15 of 18

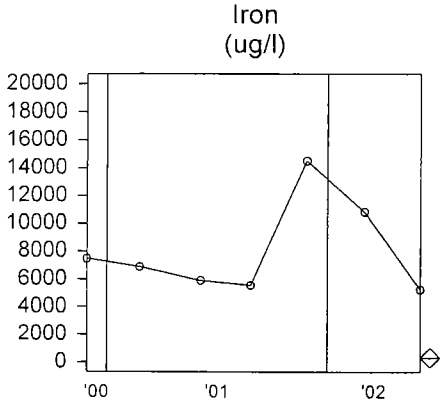
Ag > GW Criteria in blank for samples taken 7/97.

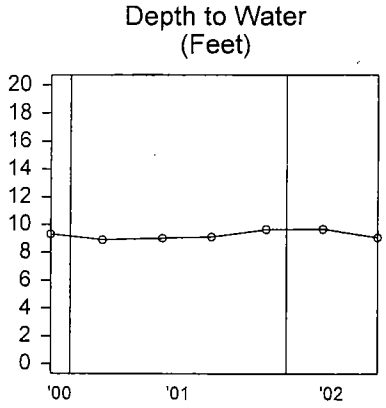
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: CW1MW037

Sampling Dates:
11/28/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 15 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/28/2000	FMETL	65.7	178	ND	30600	12.60					V,S,P,M
02/20/2001	FMETL	ND	183	4.32	32700	12.55					V,S,P,M
02/20/2001D	FMETL	ND	186	3.93	33000	12.55					V,S,P,M
05/31/2001	FMETL	31.7	198	5.20	33200	12.36					V,S,P,M
05/31/2001D	FMETL	43.1	198	3.44	34000	12.36					V,S,P,M
08/24/2001	FMETL	ND	186	2.78	30200	12.44					V,S,P,M
11/27/2001	FMETL	ND	285	3.00	31200	12.28					V,S,P,M
02/28/2002	FMETL	90.9	394	3.83	3900	13.98					V,S,P,M
05/31/2002	FMETL	146	354	4.36	26800	13.16					V,S,P,M

SOURCE: CW1MW038

Sampling Dates:
11/28/2000 - 05/31/2002

NOTES:

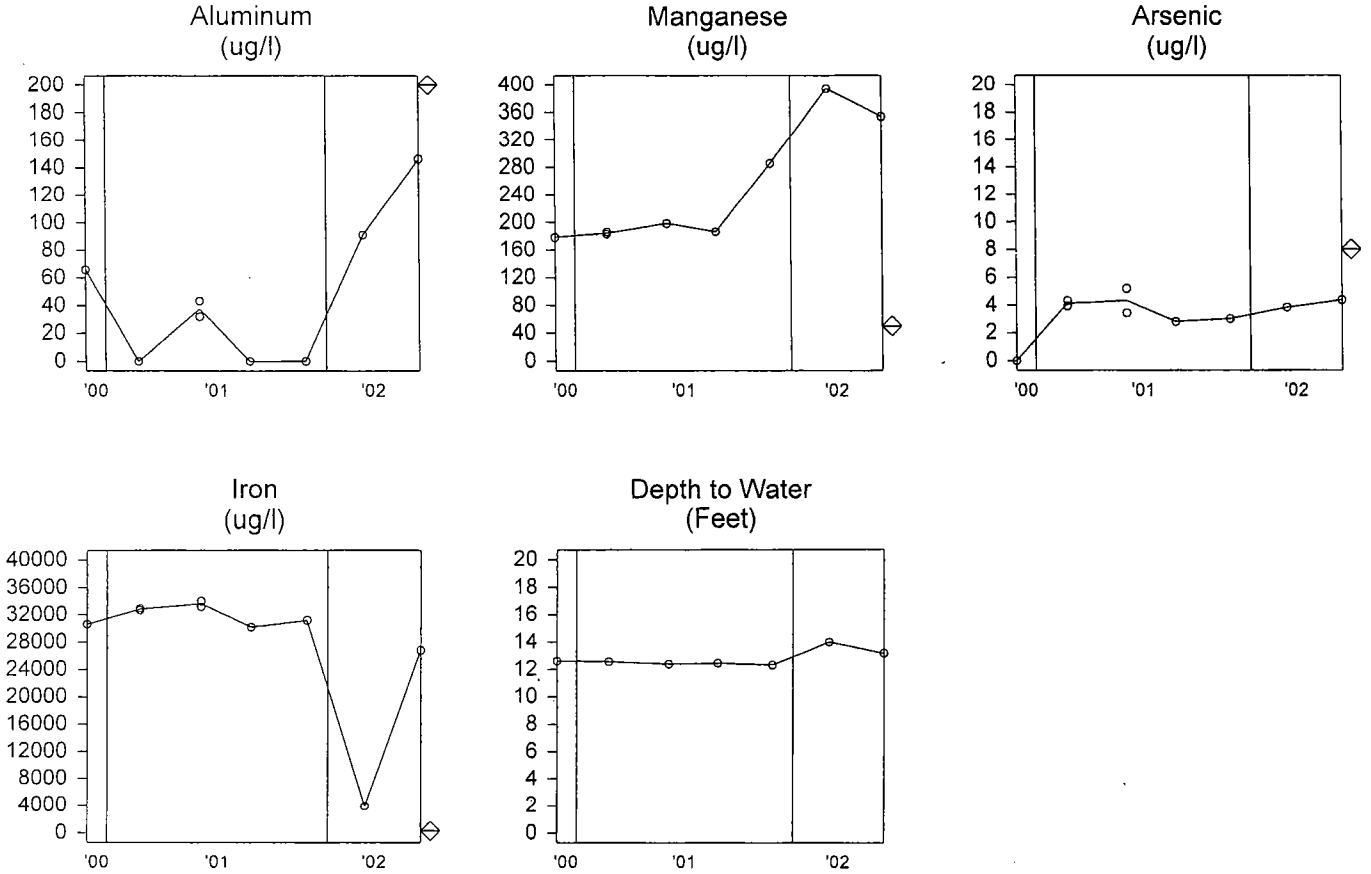
FORT MONMOUTH

GW MONITORING
CW-1

Source 16 of 18

Ag > GW Criteria in blank for samples taken 7/97.

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



SOURCE: CW1MW038

Sampling Dates:
11/28/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 16 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.wsf

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/28/2000	FMETL	94.1	10.5	ND	1550	12.89					V,S,P,M
11/28/2000D	FMETL	65.5	13.5	ND	1930	12.89					V,S,P,M
02/20/2001	FMETL	ND	296	8.55	56900	12.54					V,S,P,M
05/31/2001	FMETL	14.5	338	8.40	58400	12.87					V,S,P,M
08/24/2001	FMETL	96.2	333	10.1	56000	13.51					V,S,P,M
11/27/2001	FMETL	ND	344	29.9	33300	14.76					V,S,P,M
02/28/2002	FMETL	138	474	3.48	1390	14.36					V,S,P,M
05/31/2002	FMETL	18.3	351	26.9	52700	13.55					V,S,P,M

SOURCE: CW1MW039

Sampling Dates:
11/28/2000 - 05/31/2002

NOTES:

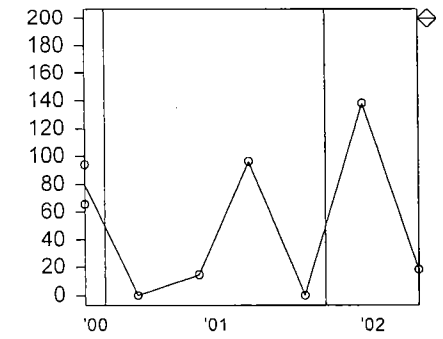
FORT MONMOUTH

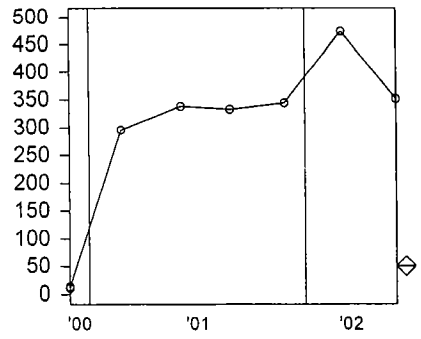
GW MONITORING
CW-1

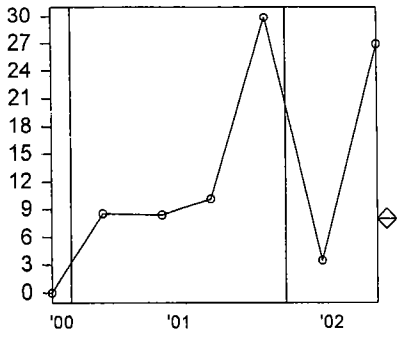
Source 17 of 18

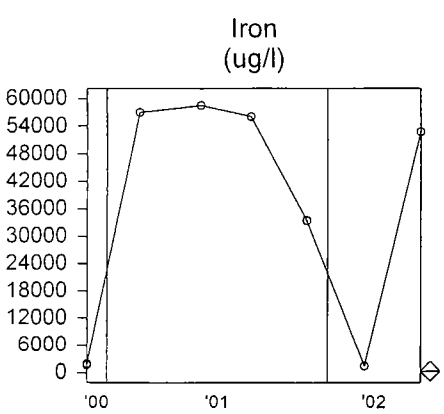
Ag > GW Criteria in blank for samples taken 7/97.

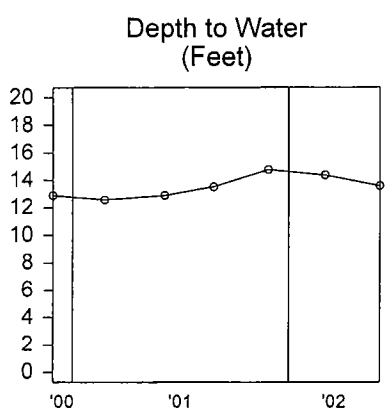
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: CW1MW039

Sampling Dates:
11/28/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 17 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

	Lab	Aluminum	Manganese	Arsenic	Iron	Depth to Water					Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	Feet					-
NJDEP Criteria:	-	200	50	8	300	-					-
11/28/2000	FMETL	ND	232	ND	4720	13.77					V,S,P,M
02/20/2001	FMETL	ND	219	5.87	34100	13.91					V,S,P,M
05/31/2001	FMETL	70.3	229	3.07	35200	13.37					V,S,P,M
08/24/2001	FMETL	624	230	5.83	35000	15.21					V,S,P,M
11/27/2001	FMETL	ND	189	ND	2370	15.35					V,S,P,M
02/28/2002	FMETL	ND	381	7.00	11500	15.02					V,S,P,M
05/31/2002	FMETL	12.5	246	11.4	38700	14.22					V,S,P,M

SOURCE: CW1MW040

Sampling Dates:
11/28/2000 - 05/31/2002

NOTES:

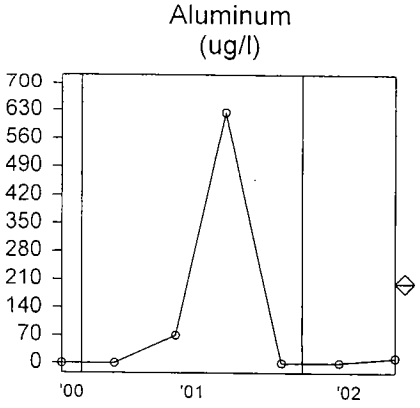
FORT MONMOUTH

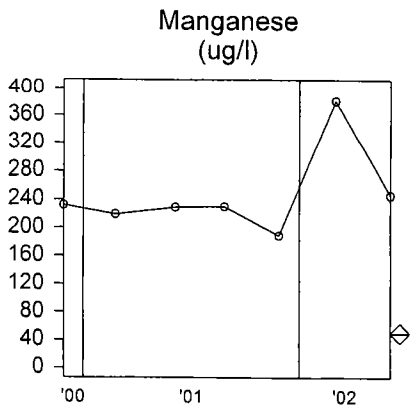
GW MONITORING
CW-1

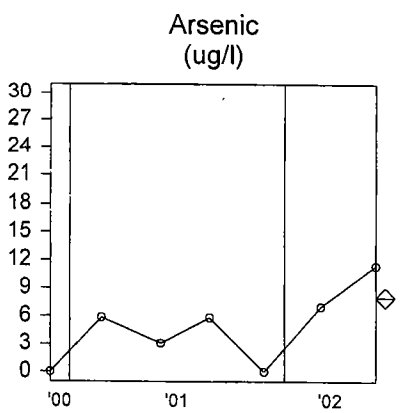
Source 18 of 18

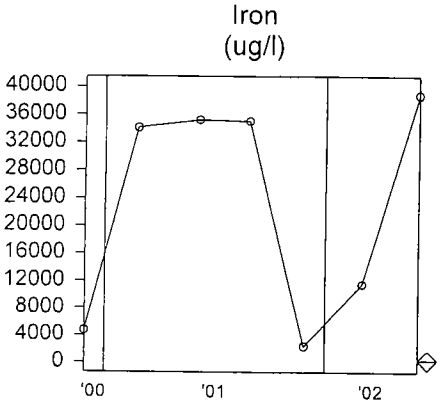
Ag > GW Criteria in blank for samples taken 7/97.

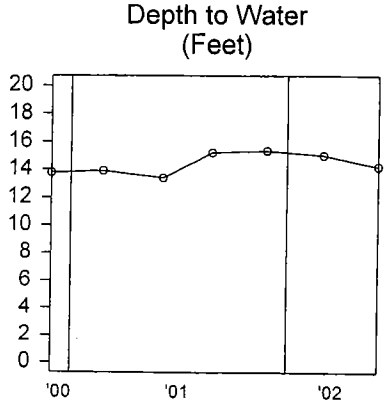
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV











SOURCE: CW1MW040

Sampling Dates:
11/28/2000 - 05/31/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
CW-1

Source 18 of 18, Graph

Ag > GW Criteria in blank for samples taken 7/97.

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

07-19-2002 X:\MtechData\2700-CW1\Cw1.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: Charles Wood Courtyard Area

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	SAMPLE DATE
2040404	CW1MW026	06/27/02
2040405	CW1MW027	06/27/02
2040406	CW1MW030	06/27/02
2040407	CW1MW031	06/27/02
2040408	CW1MW032	06/27/02
2040409	CW1MW033	06/27/02
2040410	CW1MW034	06/27/02
2040411	CW1MW035	06/27/02
2040412	CW1MW036	06/27/02
2040413	CW1MW037	06/27/02
2040414	CW1MW038	06/27/02
2040415	CW1MW039	06/27/02
2040416	CW1MW040	06/27/02
2040417	CW1MW281	06/27/02
2040418	CW1MW282	06/27/02
2040419	CW1MW291	06/27/02

NJDEP Laboratory Certification # 13461

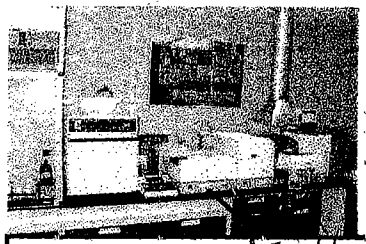
7-22-02

Daniel Wright/Date:
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

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



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. FALLON
Phone #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: CWI
June '02 monthly WO's

Samplers Name / Company: Corey McCormack, TUS

Comments: HCL/4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOCs							Hnu Read	Remarks / Preservation Method
20404 01	Trip	6/27/02	0733	AQ	2	✓							—	
02	Field Blank		0840		2	✓							—	
03	Dupe		—		2	✓							—	
04	CWI mw26		0952		2	✓							0.0	29-32590
05	CWI mw27		0955			✓							0.0	29-32591
06	CWI mw30		1027			✓							0.0	29-43188
07	CWI mw31		1035			✓							0.0	29-43189
08	CWI mw32		1031			✓							0.0	29-43190
09	CWI mw33		1041			✓							0.0	29-43191
10	CWI mw34		1428			✓							0.0	29-43192
11	CWI mw35		1411			✓							0.0	29-43193
12	CWI mw36		1407			✓							0.0	29-43194
13	CWI mw37		1351			✓							0.0	29-43195
14	CWI mw38 *		0920			✓							0.0	29-43186

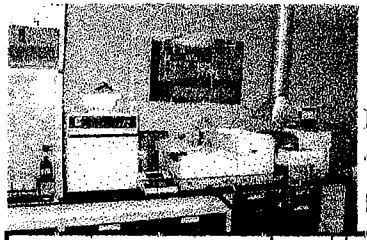
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/27/02 1520				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ___ Days, ( )ASAP Verbal ___ Hrs.

Remarks: Tide: N/A

print legibly

Coc5/13/02



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: CW1
June '02 monthly VO's

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCL/1-4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS							Flow Read	Remarks / Preservation Method
20404 15 Ø cm	CWMW39	6/27/02	1048	AQ	2	✓							0.0	29-43185
16	CWMW40		1137			✓							0.0	29-43187
17	CWMW281		0958			✓							0.0	29-35312
18	CWMW282		1207			✓							0.0	29-35313
19	CWMW291		1157			✓							0.0	29-35314

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/27/02 1520	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks: Tide: N/A

print legibly

Coc5/13/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW026
NJDEP ID #: 29-32590
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.56 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.33 ft
(7.33) X .65 X 3 = 14.29
GALLONS OF H2O 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: 08:50
pH 6.75 su
TEMP 17.87 °C
DISSOLVED O2 5.40 mg/L
SPECIFIC CONDUCTIVITY 9.99 ms/cm

PURGE END TIME: 09:51
pH 6.57 su
TEMP 16.81 °C
DISSOLVED O2 3.91 mg/L
SPECIFIC CONDUCTIVITY 14.32 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.01 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 09:52
pH 6.55 su
TEMP 16.77 °C
DISSOLVED O2 3.87 mg/L
SPECIFIC CONDUCTIVITY 14:35 ms/cm

SAMPLE END TIME: 09:54

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW027
NJDEP ID #: 29-32591
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.57 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.32 ft
(7.32) X .65 X 3 = 14.27
GALLONS OF H2O 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: 08:52
pH 4.57 su
TEMP 18.31 °C
DISSOLVED O2 6.21 mg/L
SPECIFIC CONDUCTIVITY 15.90 ms/cm

PURGE END TIME: 09:53
pH 4.48 su
TEMP 17.91 °C
DISSOLVED O2 5.27 mg/L
SPECIFIC CONDUCTIVITY 16.52 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.72 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 09:55
pH 4.47 su
TEMP 17.87 °C
DISSOLVED O2 5.20 mg/L
SPECIFIC CONDUCTIVITY 16.71 ms/cm

SAMPLE END TIME: 09:57

COMMENTS: Low Drain down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW030
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.79 ft
DEPTH OF WELL: 21.45 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.66 ft
(10.66) X .65 X 3 = 20.51
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: 08:55
pH 5.55 su — TEMP 17.60 °C
DISSOLVED O2 5.80 mg/L — SPECIFIC CONDUCTIVITY 16.10 ms/cm

PURGE END TIME: 10:26
pH 5.39 su — TEMP 16.21 °C
DISSOLVED O2 4.37 mg/L — SPECIFIC CONDUCTIVITY 15.30 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.01 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:27
pH 5.38 su — TEMP 16.23 °C
DISSOLVED O2 4.35 mg/L — SPECIFIC CONDUCTIVITY 15.27 ms/cm

SAMPLE END TIME: 10:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW031
NJDEP ID #: 29-43189
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.45 ft
DEPTH OF WELL: 21.73 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.28 ft
(11.28) X .65 X 3 =21.99
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:59
pH 5.99 su
DISSOLVED O2 5.37 mg/L
TEMP 17.41 °C
SPECIFIC CONDUCTIVITY 15.30 ms/cm

PURGE END TIME: 10:34
pH 5.87 su
DISSOLVED O2 4.50 mg/L
TEMP 16.89 °C
SPECIFIC CONDUCTIVITY 15.70 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:35
pH 5.86 su
DISSOLVED O2 4.48 mg/L
TEMP 16.87 °C
SPECIFIC CONDUCTIVITY 15.77 ms/cm

SAMPLE END TIME: 10:37

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW032
NJDEP ID #: 29-43190
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.65 ft
DEPTH OF WELL: 21.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.15 ft
(10.15) X .65 X 3 = 19.79
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:01
pH 5.71 su — TEMP 17.21 °C
DISSOLVED O2 6.71 mg/L — SPECIFIC CONDUCTIVITY 15.71 ms/cm

PURGE END TIME: 10:28
pH 5.66 su — TEMP 16.87 °C
DISSOLVED O2 4.37 mg/L — SPECIFIC CONDUCTIVITY 15.98 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:31
pH 5.64 su — TEMP 16.85 °C
DISSOLVED O2 4.35 mg/L — SPECIFIC CONDUCTIVITY 16.03 ms/cm

SAMPLE END TIME: 10:33

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW033
NJDEP ID #: 29-43191
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.53 ft
DEPTH OF WELL: 23.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.47 ft
(11.47) X .65 X 3 = 22.36
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:05
pH 5.60 su — TEMP 17.21 °C
DISSOLVED O2 5.71 mg/L — SPECIFIC CONDUCTIVITY 15.27 ms/cm

PURGE END TIME: 10:40
pH 5.48 su — TEMP 17.07 °C
DISSOLVED O2 4.44 mg/L — SPECIFIC CONDUCTIVITY 15.57 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.87 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:41
pH 5.46 su — TEMP 16.98 °C
DISSOLVED O2 4.40 mg/L — SPECIFIC CONDUCTIVITY 15.79 ms/cm

SAMPLE END TIME: 11:03

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW034
NJDEP ID #: 29-43192
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.95 ft
DEPTH OF WELL: 19.46 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.51 ft
(10.51) X .65 X 3 =20.49
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 6.95 su — TEMP 18.20 °C
DISSOLVED O2 5.30 mg/L — SPECIFIC CONDUCTIVITY 13.21 ms/cm

PURGE END TIME: 14:27
pH 6.67 su — TEMP 17.50 °C
DISSOLVED O2 4.30 mg/L — SPECIFIC CONDUCTIVITY 13.91 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.66 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 14:28
pH 6.66 su — TEMP 17.47 °C
DISSOLVED O2 4.27 mg/L — SPECIFIC CONDUCTIVITY 13.98 ms/cm

SAMPLE END TIME: 14:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW035
NJDEP ID #: 29-43193
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 8.54 ft
DEPTH OF WELL: 16.48 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.94 ft
(7.94) X .65 X 3 =15.48
GALLONS OF H2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:05
pH 6.71 su — TEMP 17.60 °C
DISSOLVED O2 5.71 mg/L — SPECIFIC CONDUCTIVITY 51.71 ms/cm

PURGE END TIME: 14:10
pH 6.62 su — TEMP 17.01 °C
DISSOLVED O2 4.20 mg/L — SPECIFIC CONDUCTIVITY 52.98 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:11
pH 6.60 su — TEMP 16.89 °C
DISSOLVED O2 4.17 mg/L — SPECIFIC CONDUCTIVITY 52.99 ms/cm

SAMPLE END TIME: 14:13

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW036
NJDEP ID #: 29-43194
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.41 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.87 ft
(6.87) X .65 X 3 = 13.39
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:10
pH 6.80 su
DISSOLVED O2 5.87 mg/L
TEMP 17.71 °C
SPECIFIC CONDUCTIVITY 13.77 ms/cm

PURGE END TIME: 14:06
pH 6.53 su
DISSOLVED O2 4.71 mg/L
TEMP 17.08 °C
SPECIFIC CONDUCTIVITY 14.29 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.43 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 14:07
pH 6.51 su
DISSOLVED O2 4.66 mg/L
TEMP 17.04 °C
SPECIFIC CONDUCTIVITY 14.32 ms/cm

SAMPLE END TIME: 14:09

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW037
NJDEP ID #: 29-43195
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.00 ft
DEPTH OF WELL: 13.21 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.21 ft
(4.21) X .65 X 3 = 8.20
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:15
pH 6.77 su — TEMP 17.21 °C
DISSOLVED O2 5.23 mg/L — SPECIFIC CONDUCTIVITY 48.71 ms/cm

PURGE END TIME: 13:50
pH 6.66 su — TEMP 16.81 °C
DISSOLVED O2 4.11 mg/L — SPECIFIC CONDUCTIVITY 49.31 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.73 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 13:51
pH 6.64 su — TEMP 16.82 °C
DISSOLVED O2 4.07 mg/L — SPECIFIC CONDUCTIVITY 49.44 ms/cm

SAMPLE END TIME: 13:54

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW038
NJDEP ID #: 29-43186
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey 06/27/02/30/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.18 ft
DEPTH OF WELL: 51.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 38.57 ft
(38.57) X .65 X 3 =75.21
GALLONS OF H2O TO BE PURGED: 75 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.96 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:40
pH 6.70 su — TEMP 15. 88 °C
DISSOLVED O2 5.20 mg/L — SPECIFIC CONDUCTIVITY 77.11 ms/cm

PURGE END TIME: 09:19
pH 6.66 su — TEMP 15.11 °C
DISSOLVED O2 4.11 mg/L — SPECIFIC CONDUCTIVITY 79.41 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 15.70 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 75 gal

SAMPLE START TIME: 09:20
pH 6.65 su — TEMP 15.10 °C
DISSOLVED O2 4.10 mg/L — SPECIFIC CONDUCTIVITY 79.47 ms/cm

SAMPLE END TIME: 09:22

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW039
NJDEP ID #: 29-43185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.56 ft
DEPTH OF WELL: 49.69 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 36.13 ft
(36.13) X .65 X 3 =70.45
GALLONS OF H2O TO BE PURGED: 70 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 2.00 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:12
pH 6.37 su — TEMP 15.71 °C
DISSOLVED O2 5.61 mg/L — SPECIFIC CONDUCTIVITY 74.20 ms/cm

PURGE END TIME: 10:47
pH 6.25 su — TEMP 15.17 °C
DISSOLVED O2 4.21 mg/L — SPECIFIC CONDUCTIVITY 76.11 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 16.28 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 70 gal

SAMPLE START TIME: 10:48
pH 6.25 su — TEMP 15.16 °C
DISSOLVED O2 4.20 mg/L — SPECIFIC CONDUCTIVITY 76.14 ms/cm

SAMPLE END TIME: 10:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW040
NJDEP ID #: 29-43187
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 14.24 ft
DEPTH OF WELL: 48.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 34.26 ft
(34.26) X .65 X 3 = 66.80
GALLONS OF H2O TO BE PURGED: 67 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.81 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:00
pH 6.52 su — TEMP 15.79 °C
DISSOLVED O2 5.40 mg/L — SPECIFIC CONDUCTIVITY 67.80 ms/cm

PURGE END TIME: 11:37
pH 6.37 su — TEMP 15.40 °C
DISSOLVED O2 4.33 mg/L — SPECIFIC CONDUCTIVITY 68.90 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 16.20 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 67 gal

SAMPLE START TIME: 11:37
pH 6.38 su — TEMP 15.37 °C
DISSOLVED O2 4.30 mg/L — SPECIFIC CONDUCTIVITY 68.88 ms/cm

SAMPLE END TIME: 11:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW281
NJDEP ID #: 29-35312
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 12.74 ft
DEPTH OF WELL: 43.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 30.46 ft
(30.46) X .65 X 3 =59.59
GALLONS OF H2O TO BE PURGED: 60 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : SUBMERSIBLE 2"
PURGE RATE: 1.92 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25
pH 6.41 su
TEMP 16.21 °C
DISSOLVED O2 5.21 mg/L
SPECIFIC CONDUCTIVITY 61.71 ms/cm

PURGE END TIME: 09:56
pH 6.39 su
TEMP 15.55 °C
DISSOLVED O2 3.71 mg/L
SPECIFIC CONDUCTIVITY 63.80 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.87 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 60 gal

SAMPLE START TIME: 09:58
pH 6.40 su
TEMP 15.53 °C
DISSOLVED O2 3.70 mg/L
SPECIFIC CONDUCTIVITY 63.83 ms/cm

SAMPLE END TIME: 10:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW282
NJDEP ID #: 29-35313
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.50 ft
DEPTH OF WELL: 17.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.45 ft
(8.45) X .65 X 3 = 16.47
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: 10:57
pH 5.60 su — TEMP 16.91 °C
DISSOLVED O2 5.57 mg/L — SPECIFIC CONDUCTIVITY 16.87 ms/cm

PURGE END TIME: 12:06
pH 5.40 su — TEMP 16.71 °C
DISSOLVED O2 4.49 mg/L — SPECIFIC CONDUCTIVITY 17.21 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 12:07
pH 5.40 su — TEMP 16.70 °C
DISSOLVED O2 4.43 mg/L — SPECIFIC CONDUCTIVITY 17.30 ms/cm

SAMPLE END TIME: 12:10

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW291
NJDEP ID #: 29-35314
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/27/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 11.74 ft
DEPTH OF WELL: 18.18 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.44 ft
(6.44) X .65 X 3 =12.55
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:00
pH 5.41 su — TEMP 16.91 °C
DISSOLVED O2 5.20 mg/L — SPECIFIC CONDUCTIVITY 17.21 ms/cm

PURGE END TIME: 11:56
pH 5.37 su — TEMP 16.30 °C
DISSOLVED O2 4.07 mg/L — SPECIFIC CONDUCTIVITY 17.81 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.00 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 11:57
pH 5.36 su — TEMP 16.27 °C
DISSOLVED O2 4.02 mg/L — SPECIFIC CONDUCTIVITY 17.88 ms/cm

SAMPLE END TIME: 11:58

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

MDL	**:**	**Method Detection Limit**
J	**:**	**Compound identified below detection limit**
B	**:**	**Compound found in blank**
D	**:**	**Results are from a dilution of the sample**
U	**:**	**Compound searched for but not detected**
E	**:**	**Compound exceeds calibration limit**
PQL	**:**	**Practical Quantitation Limit**
NLE	**:**	**No limit established**
RT	**:**	**Retention time**

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

Data File	**VC008461.D**	Sample Name	**MB 01Jul02**
Operator	**Skelton**	Field ID	**MB 01Jul02**
Date Aquired	**1-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

7/16/02 10:42 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 01Jul02**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: MB 01Jul02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008461.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/1/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011577.D**	Sample Name	**MB 03July02**
Operator	**Skelton**	Field ID	**MB 03July02**
Date Acquired	**3 Jul 2002 3:48 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

MB 03Jul02

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: MB 03July02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011577.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/3/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008462.D**	Sample Name	**2040401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**1-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.74	28567	2.17 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008462.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/1/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008463.D**	Sample Name	**2040402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**1-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.75	67193	5.17 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

7/16/02 10:43 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008463.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/1/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008464.D**	Sample Name	**2040403**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**1-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008464.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/1/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008465.D**	Sample Name	**2040404**
Operator	**Skelton**	Field ID	**CW1MW26**
Date Aquired	**1-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

7/16/02 10:43 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW26**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040404

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008465.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/1/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008466.D**	Sample Name	**2040405**
Operator	**Skelton**	Field ID	**CW1MW27**
Date Aquired	**1-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW27**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008466.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/1/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008467.D**	Sample Name	**2040406**
Operator	**Skelton**	Field ID	**CW1MW30**
Date Aquired	**2-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW30**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008467.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/2/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008468.D**	Sample Name	**2040407**
Operator	**Skelton**	Field ID	**CW1MW31**
Date Aquired	**2-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane	17.49	33445	1.86 ug/L	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW31**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008468.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/2/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008469.D**	Sample Name	**2040408**
Operator	**Skelton**	Field ID	**CW1MW32**
Date Aquired	**2-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW32**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008469.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/2/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008470.D**	Sample Name	**2040409**
Operator	**Skelton**	Field ID	**CW1MW33**
Date Aquired	**2-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

7/16/02 10:43 AM

D:\HPCHEM\Custrpt\Volatile\624fy00.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW33**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008470.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/2/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008471.D**	Sample Name	**2040410**
Operator	**Skelton**	Field ID	**CW1MW34**
Date Aquired	**2-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW34**

Lab Name: FMETL NJDEP#: 13461

Project: Monthly Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008471.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/2/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011591.D**	Sample Name	**2040411**
Operator	**Skelton**	Field ID	**CW1MW35**
Date Acquired	**4 Jul 2002 1:16 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW35

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040411

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011591.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011592.D**	Sample Name	**2040412**
Operator	**Skelton**	Field ID	**CW1MW36**
Date Acquired	**4 Jul 2002 1:56 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW36

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040412

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011592.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011593.D**	Sample Name	**2040413**
Operator	**Skelton**	Field ID	**CW1MW37**
Date Acquired	**4 Jul 2002 2:37 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW37

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040413

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011593.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011594.D**	Sample Name	**2040414**
Operator	**Skelton**	Field ID	**CW1MW38**
Date Acquired	**4 Jul 2002 3:17 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW38**

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040414

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011594.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011595.D**	Sample Name	**2040415**
Operator	**Skelton**	Field ID	**CW1MW39**
Date Acquired	**4 Jul 2002 3:58 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW39

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040415

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011595.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011596.D**	Sample Name	**2040416**
Operator	**Skelton**	Field ID	**CW1MW40**
Date Acquired	**4 Jul 2002 4:38 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW40

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040416

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011596.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011597.D**	Sample Name	**2040417**
Operator	**Skelton**	Field ID	**CW1MW281**
Date Acquired	**4 Jul 2002 5:19 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene	20.37	400089	19.50 ug/L	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW281

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040417

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011597.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011598.D**	Sample Name	**2040418**
Operator	**Skelton**	Field ID	**CW1MW282**
Date Acquired	**4 Jul 2002 5:59 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW282

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040418

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011598.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011599.D**	Sample Name	**2040419**
Operator	**Skelton**	Field ID	**CW1MW291**
Date Acquired	**4 Jul 2002 6:39 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether	11.89	497216	9.70 ug/L	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW291

Lab Name: FMETL Project: Monthly

NJDEP#: 13461 Case No.: 20404 Location: CW1 SDG No.: June02

Matrix: (soil/water) WATER Lab Sample ID: 2040419

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011599.D

Level: (low/med) LOW Date Received: 6/27/02

% Moisture: not dec. _____ Date Analyzed: 7/4/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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 : Charles Wood Courtyard Area

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	SAMPLE DATE
2048404	CW1MW026	07/29/02
2048405	CW1MW027	07/29/02
2048406	CW1MW030	07/29/02
2048407	CW1MW031	07/29/02
2048408	CW1MW032	07/29/02
2048409	CW1MW033	07/29/02
2048410	CW1MW034	07/29/02
2048411	CW1MW035	07/29/02
2048412	CW1MW036	07/29/02
2048413	CW1MW037	07/29/02
2048414	CW1MW038	07/29/02
2048415	CW1MW039	07/29/02
2048416	CW1MW040	07/29/02
2048417	CW1MW281	07/29/02
2048418	CW1MW282	07/29/02
2048419	CW1MW291	07/29/02

NJDEP Laboratory Certification # 13461

10-23-02

DanielWright/Date:
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST METALS	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B

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

Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallow
Phone #: X26223
( )DERA ( )OMA ( )Other:

Project No:
Location: CW1
monthly VO's July '02

Samplers Name / Company: Corey McCormack, TVS

Comments: HCl/HNO_3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO +15							Hno Read	Remarks / Preservation Method
20484 01	Trip	7/29/02	0715	AQ	2	✓							—	
02	Field Blank		0850		2	✓							—	
03	Dupe		—		2	✓							—	
04	CW1 MW26		1008		2	✓							0.0	29-32590
05	CW1 MW27		1015			✓							0.0	29-32591
06	CW1 MW30		1057			✓							0.0	29-43188
07	CW1 MW31		1100			✓							0.0	29-43189
08	CW1 MW32		1145			✓							0.0	29-43190
09	CW1 MW33		1156			✓							0.0	29-43191
10	CW1 MW34		1430			✓							0.0	29-43192
11	CW1 MW35		1411			✓							0.0	29-43193
12	CW1 MW36		1356			✓							0.0	29-43194
13	CW1 MW37		1331			✓							0.0	29-43195
14	CW1 MW38		0938			✓							0.0	29-43186

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	7/29/02 1530	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: (_)Standard 3 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks: Tide: N/A

print legibly

Coc6/27/02

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: CWI
monthly VO's July '02

Samplers Name / Company: Corey McCormack, TUS

Comments: HCL/ HNO_3 / 4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15							Hnu Read	Remarks / Preservation Method
20484 15	CWI mw39	7/29/02	1013	AQ	2	✓							0.0	29-43185
16	CWI mw40		1101			✓							0.0	29-43187
17	CWI mw281		1148			✓							0.0	29-35312
18	CWI mw282		1049			✓							0.0	29-35313
19	CWI mw291		1119		2	✓							0.0	29-35314

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	7/29/02 1530	J. Cleyne			
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

Coc6/27/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW026
NJDEP ID #: 29-32590
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.07 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.82 ft
(3.82) X .65 X 3 = 7.44
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:37
pH 6.79 su — TEMP 16.20 °C
DISSOLVED O_2 4.11 mg/L — SPECIFIC CONDUCTIVITY 21.30 ms/cm

PURGE END TIME: 10:07
pH 6.61 su — TEMP 15.41 °C
DISSOLVED O_2 3.20 mg/L — SPECIFIC CONDUCTIVITY 32.15 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.35 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 10:08
pH 6.62 su — TEMP 15.38 °C
DISSOLVED O_2 3.16 mg/L — SPECIFIC CONDUCTIVITY 33:71 ms/cm

SAMPLE END TIME: 10:09

COMMENTS: DUP. here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW027
NJDEP ID #: 29-32591
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 12.99 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.90 ft
(3.90) X .65 X 3 = 7.60
GALLONS OF H_2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:39
pH 4.48 su — TEMP 16.71 °C
DISSOLVED O_2 4.01 mg/L — SPECIFIC CONDUCTIVITY 31.71 ms/cm

PURGE END TIME: 10:14
pH 4.54 su — TEMP 17.20 °C
DISSOLVED O_2 3.20 mg/L — SPECIFIC CONDUCTIVITY 32.15 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.19 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 10:15
pH 4.55 su — TEMP 17.11 °C
DISSOLVED O_2 3.20 mg/L — SPECIFIC CONDUCTIVITY 34.10 ms/cm

SAMPLE END TIME: 10:16

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW030
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 12.64 ft
DEPTH OF WELL: 21.45 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.81 ft
(8.81) X .65 X 3 = 17.17
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:42
pH 5.37 su — TEMP 17.16 °C
DISSOLVED O_2 4.00 mg/L — SPECIFIC CONDUCTIVITY 41.70 ms/cm

PURGE END TIME: 10:56
pH 5.11 su — TEMP 16.39 °C
DISSOLVED O_2 3.04 mg/L — SPECIFIC CONDUCTIVITY 42.50 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:57
pH 5.07 su — TEMP 16.40 °C
DISSOLVED O_2 2.98 mg/L — SPECIFIC CONDUCTIVITY 42.59 ms/cm

SAMPLE END TIME: 10:58

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW031
NJDEP ID #: 29-43189
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.04 ft
DEPTH OF WELL: 21.73 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.69 ft
(8.69) X .65 X 3 =16.94
GALLONS OF H_2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:45
pH 5.47 su — TEMP 17.59 °C
DISSOLVED O_2 4.47 mg/L — SPECIFIC CONDUCTIVITY 77.91 ms/cm

PURGE END TIME: 10:59
pH 5.30 su — TEMP 17.11 °C
DISSOLVED O_2 3.22 mg/L — SPECIFIC CONDUCTIVITY 91.80 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.15 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:00
pH 5.27 su — TEMP 17.08 °C
DISSOLVED O_2 3.01 mg/L — SPECIFIC CONDUCTIVITY 92.11 ms/cm

SAMPLE END TIME: 11:01

COMMENTS: Low drain down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW032
NJDEP ID #: 29-43190
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.14 ft
DEPTH OF WELL: 21.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.66 ft
(8.66) X .65 X 3 = 16.88
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: 10:30
pH 5.56 su — TEMP 18.20 °C
DISSOLVED O_2 4.20 mg/L — SPECIFIC CONDUCTIVITY 76.10 ms/cm

PURGE END TIME: 11:44
pH 5.30 su — TEMP 17.11 °C
DISSOLVED O_2 2.98 mg/L — SPECIFIC CONDUCTIVITY 81.32 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:45
pH 5.28 su — TEMP 17.20 °C
DISSOLVED O_2 2.97 mg/L — SPECIFIC CONDUCTIVITY 84.11 ms/cm

SAMPLE END TIME: 11:46

COMMENTS: Low drain down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW033
NJDEP ID #: 29-43191
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.02 ft
DEPTH OF WELL: 23.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.98 ft
(9.98) X .65 X 3 = 19.46
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: 0.0 ppm

PURGE START TIME: 10:33
pH 5.69 su — TEMP 17.51 °C
DISSOLVED O_2 4.17 mg/L — SPECIFIC CONDUCTIVITY 76.17 ms/cm

PURGE END TIME: 11:55
pH 5.37 su — TEMP 18.11 °C
DISSOLVED O_2 3.20 mg/L — SPECIFIC CONDUCTIVITY 89.12 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 13.17 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:56
pH 5.36 su — TEMP 18.20 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 98.10 ms/cm

SAMPLE END TIME: 11:57

COMMENTS: Low drain down.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW034
NJDEP ID #: 29-43192
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.59 ft
DEPTH OF WELL: 19.46 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 9.87 ft
(9.87) X .65 X 3 =19.24
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: 13:07
pH 6.41 su — TEMP 18.41 °C
DISSOLVED O_2 3.71 mg/L — SPECIFIC CONDUCTIVITY 32.50 ms/cm

PURGE END TIME: 14:29
pH 5.81 su — TEMP 17.91 °C
DISSOLVED O_2 2.91 mg/L — SPECIFIC CONDUCTIVITY 49.11 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 12.77 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 14:30
pH 5.77 su — TEMP 17.87 °C
DISSOLVED O_2 2.87 mg/L — SPECIFIC CONDUCTIVITY 52.12 ms/cm

SAMPLE END TIME: 14:31

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW035
NJDEP ID #: 29-43193
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.04 ft
DEPTH OF WELL: 16.48 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.44 ft
(7.44) X .65 X 3 =14.50
GALLONS OF H_2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:05
pH 6.33 su — TEMP 19.11 °C
DISSOLVED O_2 4.03 mg/L — SPECIFIC CONDUCTIVITY 67.11 ms/cm

PURGE END TIME: 14:10
pH 5.81 su — TEMP 18.21 °C
DISSOLVED O_2 3.29 mg/L — SPECIFIC CONDUCTIVITY 76.23 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 9.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:11
pH 5.82 su — TEMP 18.32 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 77.11 ms/cm

SAMPLE END TIME: 14:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW036
NJDEP ID #: 29-43194
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.92 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.36 ft
(6.36) X .65 X 3 = 12.40
GALLONS OF H_2O TO BE PURGED: 12 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:03
pH 6.66 su — TEMP 19.21 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 40.11 ms/cm

PURGE END TIME: 13:55
pH 6.21 su — TEMP 18.11 °C
DISSOLVED O_2 2.81 mg/L — SPECIFIC CONDUCTIVITY 53.98 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.38 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 13:56
pH 6.17 su — TEMP 18.07 °C
DISSOLVED O_2 2.76 mg/L — SPECIFIC CONDUCTIVITY 57.61 ms/cm

SAMPLE END TIME: 13:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW037
NJDEP ID #: 29-43195
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 9.61 ft
DEPTH OF WELL: 13.21 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.60 ft
(3.60) X .65 X 3 = 7.02
GALLONS OF H_2O TO BE PURGED: 7 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 6.21 su — TEMP 19.21 °C
DISSOLVED O_2 4.09 mg/L — SPECIFIC CONDUCTIVITY 79.80 ms/cm

PURGE END TIME: 13:30
pH 5.76 su — TEMP 18.51 °C
DISSOLVED O_2 3.17 mg/L — SPECIFIC CONDUCTIVITY 101.10 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 10.27 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 7 gal

SAMPLE START TIME: 13:31
pH 5.73 su — TEMP 18.39 °C
DISSOLVED O_2 2.99 mg/L — SPECIFIC CONDUCTIVITY 110.10 ms/cm

SAMPLE END TIME: 13:32

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW038
NJDEP ID #: 29-43186
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 14.24 ft
DEPTH OF WELL: 51.75 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 37.51 ft
(37.51) X .65 X 3 =73.14
GALLONS OF H_2O TO BE PURGED: 73 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.96 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 6.30 su — TEMP 17.61 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 91.76 ms/cm

PURGE END TIME: 09:37
pH 5.87 su — TEMP 15.98 °C
DISSOLVED O_2 2.17 mg/L — SPECIFIC CONDUCTIVITY 103.10 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 15.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 73 gal

SAMPLE START TIME: 09:38
pH 5.84 su — TEMP 16.93 °C
DISSOLVED O_2 2.08 mg/L — SPECIFIC CONDUCTIVITY 104.90 ms/cm

SAMPLE END TIME: 09:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW039
NJDEP ID #: 29-43185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 14.69 ft
DEPTH OF WELL: 49.69 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 35.00 ft
(35.00) X .65 X 3 =68.25
GALLONS OF H_2O TO BE PURGED: 68 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.85 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:45
pH 6.11 su — TEMP 16.10 °C
DISSOLVED O_2 3.65 mg/L — SPECIFIC CONDUCTIVITY 99.10 ms/cm

PURGE END TIME: 10:12
pH 5.76 su — TEMP 15.41 °C
DISSOLVED O_2 2.71 mg/L — SPECIFIC CONDUCTIVITY 111.10 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 16.03 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 68 gal

SAMPLE START TIME: 10:13
pH 5.69 su — TEMP 15.37 °C
DISSOLVED O_2 2.68 mg/L — SPECIFIC CONDUCTIVITY 117.21 ms/cm

SAMPLE END TIME: 10:14

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW040
NJDEP ID #: 29-43187
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 15.32 ft
DEPTH OF WELL: 48.50 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 33.18 ft
(33.18) X .65 X 3 = 64.70
GALLONS OF H_2O TO BE PURGED: 65 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 1.88 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:25
pH 6.31 su — TEMP 15.87 °C
DISSOLVED O_2 4.05 mg/L — SPECIFIC CONDUCTIVITY 79.21 ms/cm

PURGE END TIME: 11:00
pH 5.79 su — TEMP 15.21 °C
DISSOLVED O_2 3.43 mg/L — SPECIFIC CONDUCTIVITY 98.13 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 16.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 65 gal

SAMPLE START TIME: 11:01
pH 5.77 su — TEMP 15.19 °C
DISSOLVED O_2 3.40 mg/L — SPECIFIC CONDUCTIVITY 99.41 ms/cm

SAMPLE END TIME: 11:02

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW281
NJDEP ID #: 29-35312
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 13.80 ft
DEPTH OF WELL: 43.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 29.40 ft
(29.40) X .65 X 3 =57.33
GALLONS OF H_2O TO BE PURGED: 57 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) SUBMERSIBLE 2"
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:15
pH 5.91 su — TEMP 17.41 °C
DISSOLVED O_2 3.76 mg/L — SPECIFIC CONDUCTIVITY 98.11 ms/cm

PURGE END TIME: 11:47
pH 5.76 su — TEMP 16.89 °C
DISSOLVED O_2 2.11 mg/L — SPECIFIC CONDUCTIVITY 121.7 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 14.91 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 57 gal

SAMPLE START TIME: 11:48
pH 5.74 su — TEMP 16.90 °C
DISSOLVED O_2 2.07 mg/L — SPECIFIC CONDUCTIVITY 122.5 ms/cm

SAMPLE END TIME: 11:50

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW282
NJDEP ID #: 29-35313
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 07/29/02
WEATHER: Sunny and hot.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4" INCH
DEPTH TO WATER: 10.93 ft
DEPTH OF WELL: 17.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.02 ft
(7.02) X .65 X 3 = 13.68
GALLONS OF H_2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:47
pH 5.63 su — TEMP 17.41 °C
DISSOLVED O_2 4.21 mg/L — SPECIFIC CONDUCTIVITY 41.91 ms/cm

PURGE END TIME: 10:48
pH 5.37 su — TEMP 17.11 °C
DISSOLVED O_2 3.29 mg/L — SPECIFIC CONDUCTIVITY 57.60 ms/cm

DEPTH TO H_2O AFTER PURGE AND BEFORE SAMPLING: 11.81 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:49
pH 5.34 su — TEMP 17.07 °C
DISSOLVED O_2 3.30 mg/L — SPECIFIC CONDUCTIVITY 58.11 ms/cm

SAMPLE END TIME: 10:50

COMMENTS:

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW27**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008716.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008717.D**	Sample Name	**2048406**
Operator	**Skelton**	Field ID	**CW1MW30**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW30**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008717.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008718.D**	Sample Name	**2048407**
Operator	**Skelton**	Field ID	**CW1MW31**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane	17.50	21997	1.41 ug/L	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW31**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048407

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008718.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008719.D**	Sample Name	**2048408**
Operator	**Skelton**	Field ID	**CW1MW32**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW32**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008719.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008720.D**	Sample Name	**2048409**
Operator	**Skelton**	Field ID	**CW1MW33**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW33**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008720.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008721.D**	Sample Name	**2048410**
Operator	**Skelton**	Field ID	**CW1MW34**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW34**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008721.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008722.D**	Sample Name	**2048411**
Operator	**Skelton**	Field ID	**CW1MW35**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW35**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048411

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008722.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008723.D**	Sample Name	**2048412**
Operator	**Skelton**	Field ID	**CW1MW36**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW36**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048412

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008723.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008724.D**	Sample Name	**2048413**
Operator	**Skelton**	Field ID	**CW1MW37**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW37**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048413

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008724.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. _____ Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008725.D**	Sample Name	**2048414**
Operator	**Skelton**	Field ID	**CW1MW38**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW38**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048414

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008725.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. _____ Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008726.D**	Sample Name	**2048415**
Operator	**Skelton**	Field ID	**CW1MW39**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW39**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048415

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008726.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008727.D**	Sample Name	**2048416**
Operator	**Skelton**	Field ID	**CW1MW40**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW40**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048416

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008727.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. _____ Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008728.D**	Sample Name	**2048417**
Operator	**Skelton**	Field ID	**CW1MW281**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.31	116530	12.13 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW281**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048417

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008728.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008729.D**	Sample Name	**2048418**
Operator	**Skelton**	Field ID	**CW1MW282**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW282**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048418

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008729.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC008730.D**	Sample Name	**2048419**
Operator	**Skelton**	Field ID	**CW1MW291**
Date Aquired	**31-Jul-02**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	12.72	35345	1.39 ug/L	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy02.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW291**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 20484 Location: CW1 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 2048419

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC008730.D

Level: (low/med) LOW Date Received: 7/29/02

% Moisture: not dec. _____ Date Analyzed: 7/31/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q